PAIN

Pain 139 (2008) 688–692

www.elsevier.com/locate/pain

Author Index to Volume 139 (2008)

Abahji, T.N., see Rüger, L.J., **139** 201
Ahn, A.H., see Nikai, T., **139** 533
Ahn, D.K., see Lee, M.K., **139** 367
Albrecht, P.J., see Zhao, P., **139** 90
Álvarez-Blanco, S., see Schestatsky, P., **139** 342
Andersen, J.L., see Andersen, L.L., **139** 588
Andersen, L.L., Suetta, C., Andersen, J.L., Kjær, M., Sjøgaard, G., Increased proportion of megafibers in chronically painful muscles, **139** 588
Angst, M.S., Clark, J.D., Carvalho, B., Tingle, M., Schmelz, M., Yeomans, D.C., Cytokine profile in human skin in response to experimental inflammation, noxious stimulation, and administration of a COX-inhibitor: A microdialysis study, **139** 15
Arndt, K., see Roeska, K., **139** 349
Ashina, M., see Wienecke, T., **139** 106

Bach, F.W., see Otto, M., **139** 275
Bae, Y.C., see Lee, M.K., **139** 367
Bailey, L.T., see Staton, P.C., **139** 225
Banja, J., see Schofferman, J., **139** 494
Bao, Q., see Cao, J.-L., **139** 617
Baptista, A.F., see Sá, K.N., **139** 498
Barr, T.P., see Zhao, P., **139** 90
Basbaum, A.I., see Nikai, T., **139** 533
Beitz, A.J., see Pacharinsak, C., **139** 34
Beitz, A.J., see Seo, H.-S., **139** 520
Bellamy, N., see Turk, D.C., **139** 485
Benedetti, F., see Colloca, L., **139** 306
Bettoni, I., see Costa, B., **139** 541
Billinton, A., see Staton, P.C., **139** 225
Birklein, F., see Geber, C., **139** 73
Bjorling, D.E., see Wang, Z.-Y., **139** 158
Black, J.A., see Zhao, P., **139** 90
Blech-Hermoni, Y., see Zhang, S.-H., **139** 293
Blouin, J.-L., see Landau, R., **139** 5
Bonnefont, J., see Mallet, C., **139** 190
Boroujerdi, A., Kim, H.K., Lyu, Y.S., Kim, D.-S., Figueroa, K.W., Chung, J.M., David Luo, Z., Injury discharges regulate calcium channel alpha-2-delta-1 subunit upregulation in the dorsal horn that contributes to initiation of neuropathic pain, **139** 358
Bouhassira, D., see Kern, D., **139** 653
Bovee, C.E., see Staud, R., **139** 315
Broderick, J.E., Schwartz, J.E., Vikingstad, G., Pribbernow, M., Grossman, S., Stone, A.A., The accuracy of pain and fatigue items across different reporting periods, **139** 146
Brøsen, K., see Otto, M., **139** 275
Brown, A.J., see Staton, P.C., **139** 225
Brown, C.A., Seymour, B., El-Deredy, W., Jones, A.K.P., Confidence in beliefs about pain predicts expectancy effects on pain perception and anticipatory processing in right anterior insula, **139** 324
Bruehl, S., Chung, O.Y., Burns, J.W., The mu opioid receptor A118G gene polymorphism moderates effects of trait anger-out on acute pain sensitivity, **139** 406
Burant, C.J., see Palermo, T.M., **139** 644
Burke, L.B., see Turk, D.C., **139** 485
Burns, J.W., see Bruehl, S., **139** 406
Burwinkle, T., see Turk, D.C., **139** 55

Caldwell, J.H., see Sullivan, M.D., **139** 551
Cao, J.-L., see Song, X.-J., **139** 168
Cao, J.-L., Ruan, J.-P., Ling, D.-Y., Guan, X.-H., Bao, Q., Yuan, Y., Zhang, L.-C., Song, X.-J., Zeng, Y.-M., Activation of peripheral ephrinBs/EphBs signaling induces hyperalgesia through a MAPKs-mediated mechanism in mice, **139** 617
Carstensen, T.B.W., Frostholm, L., Oernboel, E., Kongsted, A., Kasch, H., Jensen, T.S., Fink, P., Post-trauma ratings of pre-collision pain and psychological distress predict poor outcome following acute whiplash trauma: A 12-month follow-up study, **139** 248
Carvalho, B., see Angst, M.S., **139** 15
Casanova-Molla, J., see Schestatsky, P., **139** 342
Catchlove, R., see Thibault, P., **139** 47
Catchlove, R., see Martel, M.O., **139** 562
Ceci, A., see Roeska, K., **139** 349
Chandler, J.M., see Turk, D.C., **139** 485
Chapuy, E., see Mallet, C., **139** 190
Charlet, A., Lasbennes, F., Darbon, P., Poisbeau, P., Fast non-genomic effects of progesterone-derived neurosteroids on nociceptive thresholds and pain symptoms, **139** 603
Chessell, I.P., see Staton, P.C., **139** 225
Choi, B.Y., see Lee, M.K., **139** 367
Chong, E., see Staton, P.C., **139** 225
Chung, J.M., see Boroujerdi, A., **139** 358
Chung, J.M., see Seo, H.-S., **139** 520
Chung, O.Y., see Bruehl, S., **139** 406
Cicero, T.J., Lynskey, M., Todorov, A., Inciardi, J.A., Surratt, H.L., Co-morbid pain and psychopathology in males and females admitted to treatment for opioid analgesic abuse, **139** 127
Ciechanowski, P.S., see Sullivan, M.D., **139** 551
Cimino-Brown, D., see Rice, A.S.C., **139** 243
Clark, J.D., see Angst, M.S., **139** 15
Cleeland, C.S., see Turk, D.C., **139** 485
Colleoni, M., see Costa, B., **139** 541
Colloca, L., Tinazzi, M., Recchia, S., Le Pera, D., Fiaschi, A., Benedetti, F., Valeriani, M., Learning potentiates neurophysiological and behavioral placebo analgesic responses, **139** 306
Columb, M.O., see Landau, R., **139** 5
Comelli, F., see Costa, B., **139** 541
Costa, B., Comelli, F., Bettoni, I., Colleoni, M., Giagnoni, G., The endogenous fatty acid amide, palmitoylethanolamide, has anti-

doi:10.1016/S0304-3959(08)00578-2

PAIN

Pain 139 (2008) 688–692

www.elsevier.com/locate/pain

Author Index to Volume 139 (2008)

Abahji, T.N., see Rüger, L.J., **139** 201
Ahn, A.H., see Nikai, T., **139** 533
Ahn, D.K., see Lee, M.K., **139** 367
Albrecht, P.J., see Zhao, P., **139** 90
Álvarez-Blanco, S., see Schestatsky, P., **139** 342
Andersen, J.L., see Andersen, L.L., **139** 588
Andersen, L.L., Suetta, C., Andersen, J.L., Kjær, M., Sjøgaard, G., Increased proportion of megafibers in chronically painful muscles, **139** 588
Angst, M.S., Clark, J.D., Carvalho, B., Tingle, M., Schmelz, M., Yeomans, D.C., Cytokine profile in human skin in response to experimental inflammation, noxious stimulation, and administration of a COX-inhibitor: A microdialysis study, **139** 15
Arndt, K., see Roeska, K., **139** 349
Ashina, M., see Wienecke, T., **139** 106

Bach, F.W., see Otto, M., **139** 275
Bae, Y.C., see Lee, M.K., **139** 367
Bailey, L.T., see Staton, P.C., **139** 225
Banja, J., see Schofferman, J., **139** 494
Bao, Q., see Cao, J.-L., **139** 617
Baptista, A.F., see Sá, K.N., **139** 498
Barr, T.P., see Zhao, P., **139** 90
Basbaum, A.I., see Nikai, T., **139** 533
Beitz, A.J., see Pacharinsak, C., **139** 34
Beitz, A.J., see Seo, H.-S., **139** 520
Bellamy, N., see Turk, D.C., **139** 485
Benedetti, F., see Colloca, L., **139** 306
Bettoni, I., see Costa, B., **139** 541
Billinton, A., see Staton, P.C., **139** 225
Birklein, F., see Geber, C., **139** 73
Bjorling, D.E., see Wang, Z.-Y., **139** 158
Black, J.A., see Zhao, P., **139** 90
Blech-Hermoni, Y., see Zhang, S.-H., **139** 293
Blouin, J.-L., see Landau, R., **139** 5
Bonnefont, J., see Mallet, C., **139** 190
Boroujerdi, A., Kim, H.K., Lyu, Y.S., Kim, D.-S., Figueroa, K.W., Chung, J.M., David Luo, Z., Injury discharges regulate calcium channel alpha-2-delta-1 subunit upregulation in the dorsal horn that contributes to initiation of neuropathic pain, **139** 358
Bouhassira, D., see Kern, D., **139** 653
Bovee, C.E., see Staud, R., **139** 315
Broderick, J.E., Schwartz, J.E., Vikingstad, G., Pribbernow, M., Grossman, S., Stone, A.A., The accuracy of pain and fatigue items across different reporting periods, **139** 146
Brøsen, K., see Otto, M., **139** 275
Brown, A.J., see Staton, P.C., **139** 225
Brown, C.A., Seymour, B., El-Deredy, W., Jones, A.K.P., Confidence in beliefs about pain predicts expectancy effects on pain perception and anticipatory processing in right anterior insula, **139** 324
Bruehl, S., Chung, O.Y., Burns, J.W., The mu opioid receptor A118G gene polymorphism moderates effects of trait anger-out on acute pain sensitivity, **139** 406
Burant, C.J., see Palermo, T.M., **139** 644
Burke, L.B., see Turk, D.C., **139** 485
Burns, J.W., see Bruehl, S., **139** 406
Burwinkle, T., see Turk, D.C., **139** 55

Caldwell, J.H., see Sullivan, M.D., **139** 551
Cao, J.-L., see Song, X.-J., **139** 168
Cao, J.-L., Ruan, J.-P., Ling, D.-Y., Guan, X.-H., Bao, Q., Yuan, Y., Zhang, L.-C., Song, X.-J., Zeng, Y.-M., Activation of peripheral ephrinBs/EphBs signaling induces hyperalgesia through a MAPKs-mediated mechanism in mice, **139** 617
Carstensen, T.B.W., Frostholm, L., Oernboel, E., Kongsted, A., Kasch, H., Jensen, T.S., Fink, P., Post-trauma ratings of pre-collision pain and psychological distress predict poor outcome following acute whiplash trauma: A 12-month follow-up study, **139** 248
Carvalho, B., see Angst, M.S., **139** 15
Casanova-Molla, J., see Schestatsky, P., **139** 342
Catchlove, R., see Thibault, P., **139** 47
Catchlove, R., see Martel, M.O., **139** 562
Ceci, A., see Roeska, K., **139** 349
Chandler, J.M., see Turk, D.C., **139** 485
Chapuy, E., see Mallet, C., **139** 190
Charlet, A., Lasbennes, F., Darbon, P., Poisbeau, P., Fast non-genomic effects of progesterone-derived neurosteroids on nociceptive thresholds and pain symptoms, **139** 603
Chessell, I.P., see Staton, P.C., **139** 225
Choi, B.Y., see Lee, M.K., **139** 367
Chong, E., see Staton, P.C., **139** 225
Chung, J.M., see Boroujerdi, A., **139** 358
Chung, J.M., see Seo, H.-S., **139** 520
Chung, O.Y., see Bruehl, S., **139** 406
Cicero, T.J., Lynskey, M., Todorov, A., Inciardi, J.A., Surratt, H.L., Co-morbid pain and psychopathology in males and females admitted to treatment for opioid analgesic abuse, **139** 127
Ciechanowski, P.S., see Sullivan, M.D., **139** 551
Cimino-Brown, D., see Rice, A.S.C., **139** 243
Clark, J.D., see Angst, M.S., **139** 15
Cleeland, C.S., see Turk, D.C., **139** 485
Colleoni, M., see Costa, B., **139** 541
Colloca, L., Tinazzi, M., Recchia, S., Le Pera, D., Fiaschi, A., Benedetti, F., Valeriani, M., Learning potentiates neurophysiological and behavioral placebo analgesic responses, **139** 306
Columb, M.O., see Landau, R., **139** 5
Comelli, F., see Costa, B., **139** 541
Costa, B., Comelli, F., Bettoni, I., Colleoni, M., Giagnoni, G., The endogenous fatty acid amide, palmitoylethanolamide, has anti-

doi:10.1016/S0304-3959(08)00578-2

allodynic and anti-hyperalgesic effects in a murine model of neuropathic pain: involvement of CB_1, TRPV1 and PPARγ receptors and neurotrophic factors, **139** 541
Cowan, P., see Turk, D.C., **139** 485
Craggs, J.G., Price, D.D., Perlstein, W.M., Verne, G.N., Robinson, M.E., The dynamic mechanisms of placebo induced analgesia: Evidence of sustained and transient regional involvement, **139** 660
Crea, F., see Sestito, A., **139** 82
Crispin, A., see Rüger, L.J., **139** 201
Crombez, G., see Damme, S.V., **139** 1

Damme, S.V., Crombez, G., Eccleston, C., Coping with pain: A motivational perspective, **139** 1
Darbon, P., see Charlet, A., **139** 603
Daulhac, L., see Mallet, C., **139** 190
David Luo, Z., see Boroujerdi, A., **139** 358
De Armas, L., see Sestito, A., **139** 82
de Mos, M., Huygen, F.J.P.M., Dieleman, J.P., Koopman, J.S.H.A., Stricker, B.H.Ch., Sturkenboom, M.C.J.M., Medical history and the onset of complex regional pain syndrome (CRPS), **139** 458
de Sousa Freire, N.B., Garcia, J.B.S., Lamy, Z.C., Evaluation of analgesic effect of skin-to-skin contact compared to oral glucose in preterm neonates, **139** 28
de Vet, H.C.W., see Schellingerhout, J.M., **139** 670
Del Gratta, C., see Iannilli, E., **139** 376
Derry, S., see Moore, R.A., **139** 477
Dib-Hajj, S.D., see Zhao, P., **139** 90
Dick, B.D., Verrier, M.J., Harker, K.T., Rashiq, S., Disruption of cognitive function in Fibromyalgia Syndrome, **139** 610
Dickey, J.P., see Srbely, J.Z., **139** 260
Dieleman, J.P., see de Mos, M., **139** 458
Dimitrova, R., see Turk, D.C., **139** 485
Doods, H., see Roeska, K., **139** 349
Drummond, P.D., see Frew, A.K., **139** 284
Dunn, K.M., see Thomas, E., **139** 389
Durand, M.-J., see Thibault, P., **139** 47
Dworkin, R.H., see Turk, D.C., **139** 485

Eccleston, C., see Damme, S.V., **139** 1
Eisenach, J.C., see Rice, A.S.C., **139** 243
Eisenberg, E., see Ram, K.C., **139** 431
Eisenberg, E., see Zhao, P., **139** 90
El-Deredy, W., see Brown, C.A., **139** 324
Eschalier, A., see Mallet, C., **139** 190
Etienne, M., see Mallet, C., **139** 190

Faravelli, L., see Zhang, S.-H., **139** 293
Farias, M., see Wiech, K., **139** 467
Farrar, J.T., see Turk, D.C., **139** 485
Fechir, M., see Geber, C., **139** 73
Fiaschi, A., see Colloca, L., **139** 306
Figueroa, K.W., see Boroujerdi, A., **139** 358
Fink, P., see Carstensen, T.B.W., **139** 248
Fondel, R., see Geber, C., **139** 73
Frew, A.K., Drummond, P.D., Stress-evoked opioid release inhibits pain in major depressive disorder, **139** 284
Frostholm, L., see Carstensen, T.B.W., **139** 248
Fulleylove, M., see Staton, P.C., **139** 225

Galer, B.S., All topical NSAIDs not created equal – Understanding topical analgesic drug formulations, **139** 237
Gao, W., see Schmidtko, A., **139** 632
Garcia, J.B.S., see de Sousa Freire, N.B., **139** 28
Geber, C., Magerl, W., Fondel, R., Fechir, M., Rolke, R., Vogt, T., Treede, R.-D., Birklein, F., Numbness in clinical and experimental pain – A cross-sectional study exploring the mechanisms of reduced tactile function, **139** 73
Geisslinger, G., see Schmidtko, A., **139** 632
Gerber, J.C., see Iannilli, E., **139** 376
Gerdle, B., Hilgenfeldt, U., Larsson, B., Kristiansen, J., Søgaard, K., Rosendal, L., Bradykinin and kallidin levels in the trapezius muscle in patients with work-related trapezius myalgia, in patients with whiplash associated pain, and in healthy controls – A microdialysis study of women, **139** 578
Giagnoni, G., see Costa, B., **139** 541
Goossens, M., see Vangronsveld, K.L.H., **139** 449
Gracely, E., So, why do I have to correct for multiple comparisons? Concepts and commentary on Turk et al., **139** 481
Green, P.J., see Staton, P.C., **139** 225
Grossman, S., see Broderick, J.E., **139** 146
Guan, X.-H., see Cao, J.-L., **139** 617

Haddad, M., see Ram, K.C., **139** 431
Han, H.-J., see Seo, H.-S., **139** 520
Handwerker, H., see Namer, B., **139** 63
Harker, K.T., see Dick, B.D., **139** 610
Hatcher, J.P., see Staton, P.C., **139** 225
Helmchen, C., see Mohr, C., **139** 416
Hertz, S., see Turk, D.C., **139** 485
Heymans, M.W., see Schellingerhout, J.M., **139** 670
Heyse, J.F., see Turk, D.C., **139** 485
Hilgenfeldt, U., see Gerdle, B., **139** 578
Hoffmann, U., see Rüger, L.J., **139** 201
Hou, Q., see Zhao, P., **139** 90
Huang, Z.-J., see Song, X.-J., **139** 168
Hughes, J.P., see Staton, P.C., **139** 225
Hummel, T., see Iannilli, E., **139** 376
Huo, F.-Q., Qu, C.-L., Li, Y.-Q., Tang, J.-S., Jia, H., GABAergic modulation is involved in the ventrolateral orbital cortex 5-HT_{1A} receptor activation-induced antinociception in the rat, **139** 398
Huygen, F.J.P.M., see de Mos, M., **139** 458

Iannilli, E., Del Gratta, C., Gerber, J.C., Romani, G.L., Hummel, T., Trigeminal activation using chemical, electrical, and mechanical stimuli, **139** 376
Inciardi, J.A., see Cicero, T.J., **139** 127
Infusino, F., see Sestito, A., **139** 82
Irnich, D., see Rüger, L.J., **139** 201
Iyengar, S., see Turk, D.C., **139** 485

Jadad, A.R., see Turk, D.C., **139** 485
Jay, G.W., see Turk, D.C., **139** 485
Jensen, T.S., see Otto, M., **139** 275
Jensen, T.S., see Carstensen, T.B.W., **139** 248
Jeon, H.J., see Lee, M.K., **139** 367
Jermano, J.A., see Turk, D.C., **139** 485
Jia, H., see Huo, F.-Q., **139** 398
Jones, A.K.P., see Brown, C.A., **139** 324
Jones, T.L., see Nagakura, Y., **139** 569
Jordan-Keith, K., see Sullivan, M.D., **139** 551
Jorum, E., see Namer, B., **139** 63

Kahane, G., see Wiech, K., **139** 467
Kasch, H., see Carstensen, T.B.W., **139** 248
Katz, N.P., see Turk, D.C., **139** 485
Kern, C., see Landau, R., **139** 5
Kern, D., Plantevin, F., Bouhassira, D., Effects of morphine on the experimental illusion of pain produced by a thermal grill, **139** 653
Khasabov, S.G., see Pacharinsak, C., **139** 34
Kim, D.-S., see Boroujerdi, A., **139** 358
Kim, D.K., Kwak, J., Kim, S.J., Kim, J., , Long-lasting enhancement in the intrinsic excitability of deep dorsal horn neurons, **139** 181
Kim, H.-W., see Seo, H.-S., **139** 520
Kim, H.K., see Boroujerdi, A., **139** 358
Kim, J., see Kim, D.K., **139** 181

Kim, S.J., see Kim, D.K., **139** 181
Kitagawa, J., see Takeda, M., **139** 594
Kjær, M., see Andersen, L.L., **139** 588
Kleggetveit, I.P., see Namer, B., **139** 63
Klein, T., Stahn, S., Magerl, W., Treede, R.-D., The role of heterosynaptic facilitation in long-term potentiation (LTP) of human pain sensation, **139** 507
Koes, B.W., see Schellingerhout, J.M., **139** 670
Koivusilta, L., see Mattila, V.M., **139** 209
Kongsted, A., see Carstensen, T.B.W., **139** 248
Kontinen, V.K., see Rice, A.S.C., **139** 243
Koopman, J.S.H.A., see de Mos, M., **139** 458
Kristiansen, J., see Gerdle, B., **139** 578
Kuner, R., see Schmidtko, A., **139** 632
Kwak, J., see Kim, D.K., **139** 181
Kwon, O.W., see Lee, M.K., **139** 367
Kwon, Y.-B., see Seo, H.-S., **139** 520
Kyung, H.M., see Lee, M.K., **139** 367

Lacroix-Fralish, M.L., see Rice, A.S.C., **139** 243
LaMotte, R.H., see Shimada, S.G., **139** 681
Lamy, Z.C., see de Sousa Freire, N.B., **139** 28
Lancaster, H.C., see Staton, P.C., **139** 225
Landau, R., Kern, C., Columb, M.O., Smiley, R.M., Blouin, J.-L., Genetic variability of the μ-opioid receptor influences intrathecal fentanyl analgesia requirements in laboring women, **139** 5
Lang, P.M., see Rüger, L.J., **139** 201
Lanza, G.A., see Sestito, A., **139** 82
Larsson, B., see Gerdle, B., **139** 578
Lasbennes, F., see Charlet, A., **139** 603
Le Pera, D., see Colloca, L., **139** 306
Le Pera, D., see Sestito, A., **139** 82
Ledent, C., see Mallet, C., **139** 190
Lee, J.-H., see Seo, H.-S., **139** 520
Lee, M.K., Choi, B.Y., Yang, G.Y., Jeon, H.J., Kyung, H.M., Kwon, O.W., Park, H.S., Bae, Y.C., Mokha, S.S., Ahn, D.K., Low doses of cannabinoids enhance the antinociceptive effects of intracisternally administered mGluRs groups II and III agonists in formalin-induced TMJ nociception in rats, **139** 367
Leijon, G., see List, T., **139** 333
Lessa, Í., see Sá, K.N., **139** 498
Lewandowski, A.S., see Palermo, T.M., **139** 644
Leyendecker, S., see Mohr, C., **139** 416
Li, Y.-Q., see Huo, F.-Q., **139** 398
Libert, F., see Mallet, C., **139** 190
Linderoth, B., see Schechtmann, G., **139** 136
Ling, D.-Y., see Cao, J.-L., **139** 617
List, T., Leijon, G., Svensson, P., Somatosensory abnormalities in atypical odontalgia: A case-control study, **139** 333
Liu, W.-T., see Song, X.-J., **139** 168
Lladó-Carbó, E., see Schestatsky, P., **139** 342
Loisel, P., see Thibault, P., **139** 47
Long, A.C., see Palermo, T.M., **139** 644
Lowerison, M., see Srbely, J.Z., **139** 260
Luo, C., see Schmidtko, A., **139** 632
Lynskey, M., see Cicero, T.J., **139** 127
Lyu, Y.S., see Boroujerdi, A., **139** 358

Machin, I., see Rice, A.S.C., **139** 243
Machner, B., see Mohr, C., **139** 416
Magerl, W., see Klein, T., **139** 507
Magerl, W., see Geber, C., **139** 73
Makuch, W., see Osikowicz, M., **139** 117
Malkmus, S.A., see Nagakura, Y., **139** 569
Mallen, C., see Thomas, E., **139** 389
Mallet, C., Daulhac, L., Bonnefont, J., Ledent, C., Etienne, M., Chapuy, E., Libert, F., Eschalier, A., Endocannabinoid and serotonergic systems are needed for acetaminophen-induced analgesia, **139** 190
Mander, P.K., see Staton, P.C., **139** 225
Mangels, I., see Mohr, C., **139** 416
Manning, D.C., see Turk, D.C., **139** 485
Martel, M.O., Thibault, P., Roy, C., Catchlove, R., Sullivan, M.J.L., Contextual Determinants of Pain Judgments, **139** 562
Martin, S., see Turk, D.C., **139** 485
Matos, M.A., see Sá, K.N., **139** 498
Matsumoto, S., see Takeda, M., **139** 594
Mattila, V.M., Saarni, L., Parkkari, J., Koivusilta, L., Rimpelä, A., Predictors of low back pain hospitalization – A prospective follow-up of 57,408 adolescents, **139** 209
Max, M.B., see Turk, D.C., **139** 485
McDermott, M.P., see Turk, D.C., **139** 485
McGrath, P., see Turk, D.C., **139** 485
McQuay, H.J., see Moore, R.A., **139** 477
McQuay, H.J., see Turk, D.C., **139** 485
Meeus, M., Nijs, J., Van de Wauwer, N., Toeback, L., Truijen, S., Diffuse noxious inhibitory control is delayed in chronic fatigue syndrome: An experimental study, **139** 439
Merriam, F.V., see Wang, Z.-Y., **139** 158
Meyerson, B.A., see Schechtmann, G., **139** 136
Michelle Edwards, A., see Srbely, J.Z., **139** 260
Mika, J., see Osikowicz, M., **139** 117
Miliucci, R., see Sestito, A., **139** 82
Mogil, (on behalf of the Preclinical Pain Consortium), see Rice, A.S.C., **139** 243
Mohr, C., Leyendecker, S., Mangels, I., Machner, B., Sander, T., Helmchen, C., Central representation of cold-evoked pain relief in capsaicin induced pain: An event-related fMRI study, **139** 416
Mokha, S.S., see Lee, M.K., **139** 367
Moore, R.A., Derry, S., McQuay, H.J., Response to: Long-term trials of pregabalin and duloxetine for fibromyalgia symptoms: How study designs can affect placebo factors, **139** 477
Morrison, A.D., see Staton, P.C., **139** 225

Nagakura, Y., Jones, T.L., Malkmus, S.A., Sorkin, L., Yaksh, T.L., The sensitization of a broad spectrum of sensory nerve fibers in a rat model of acute postoperative pain and its response to intrathecal pharmacotherapy, **139** 569
Namer, B., Kleggetveit, I.P., Handwerker, H., Schmelz, M., Jorum, E., Role of TRPM8 and TRPA1 for cold allodynia in patients with cold injury, **139** 63
Nijs, J., see Meeus, M., **139** 439
Nikai, T., Basbaum, A.I., Ahn, A.H., Profound reduction of somatic and visceral pain in mice by intrathecal administration of the anti-migraine drug, sumatriptan, **139** 533
Nolet, P.S., see Srbely, J.Z., **139** 260

Oaklander, A.L., RSD/CRPS: The end of the beginning, **139** 239
Oernboel, E., see Carstensen, T.B.W., **139** 248
Olesen, J., see Wienecke, T., **139** 106
Osikowicz, M., Mika, J., Makuch, W., Przewlocka, B., Glutamate receptor ligands attenuate allodynia and hyperalgesia and potentiate morphine effects in a mouse model of neuropathic pain, **139** 117
Otto, M., Bach, F.W., Jensen, T.S., Brøsen, K., Sindrup, S.H., Escitalopram in painful polyneuropathy: A randomized, placebo-controlled, cross-over trial, **139** 275
Oturai, P.S., see Wienecke, T., **139** 106

Pacharinsak, C., Khasabov, S.G., Beitz, A.J., Simone, D.A., NK-1 receptors in the rostral ventromedial medulla contribute to hyperalgesia produced by intraplantar injection of capsaicin, **139** 34

Palermo, T.M., Lewandowski, A.S., Long, A.C., Burant, C.J., Validation of a self-report questionnaire version of the Child Activity Limitations Interview (CALI): The CALI-21, **139** 644
Park, H.S., see Lee, M.K., **139** 367
Parkkari, J., see Mattila, V.M., **139** 209
Peat, G., see Thomas, E., **139** 389
Peat, G., Targeting treatment for non-specific musculoskeletal pain, **139** 483
Perlstein, W.M., see Craggs, J.G., **139** 660
Peters, M., see Vangronsveld, K.L.H., **139** 449
Petersen, K., see Zhao, P., **139** 90
Plantevin, F., see Kern, D., **139** 653
Poisbeau, P., see Charlet, A., **139** 603
Pool, J.J.M., see Schellingerhout, J.M., **139** 670
Pribbernow, M., see Broderick, J.E., **139** 146
Price, D.D., see Craggs, J.G., **139** 660
Price, D.D., see Staud, R., **139** 315
Price, D.D., see Staud, R., **139** 479
Price, D.D., see Zhou, Q., **139** 218
Prkachin, K.M., Solomon, P.E., The structure, reliability and validity of pain expression: Evidence from patients with shoulder pain, **139** 267
Przewlocka, B., see Osikowicz, M., **139** 117
Pud, D., see Ram, K.C., **139** 431

Qu, C.-L., see Huo, F.-Q., **139** 398
Quessy, S., see Turk, D.C., **139** 485

Ram, K.C., Eisenberg, E., Haddad, M., Pud, D., Oral opioid use alters DNIC but not cold pain perception in patients with chronic pain – New perspective of opioid-induced hyperalgesia, **139** 431
Rappaport, B.A., see Turk, D.C., **139** 485
Rashiq, S., see Dick, B.D., **139** 610
Recchia, S., see Colloca, L., **139** 306
Revicki, D.A., see Turk, D.C., **139** 485
Rice, A.S.C., Cimino-Brown, D., Eisenach, J.C., Kontinen, V.K., Lacroix-Fralish, M.L., Machin, I., (on behalf of the Preclinical Pain Consortium), Mogil, J.S., Stöhr, T., Animal models and the prediction of efficacy in clinical trials of analgesic drugs: A critical appraisal and call for uniform reporting standards, **139** 243
Rice, F.L., see Zhao, P., **139** 90
Richardson, J.C., see Staton, P.C., **139** 225
Rimpelä, A., see Mattila, V.M., **139** 209
Robinson, J.P., see Turk, D.C., **139** 55
Robinson, M.E., see Staud, R., **139** 315
Robinson, M.E., see Craggs, J.G., **139** 660
Roeska, K., Doods, H., Arndt, K., Treede, R.-D., Ceci, A., Anxiety-like behaviour in rats with mononeuropathy is reduced by the analgesic drugs morphine and gabapentin, **139** 349
Roh, D.-H., see Seo, H.-S., **139** 520
Rolke, R., see Geber, C., **139** 73
Romani, G.L., see Iannilli, E., **139** 376
Rosendal, L., see Gerdle, B., **139** 578
Rothman, M., see Turk, D.C., **139** 485
Roy, C., see Martel, M.O., **139** 562
Ruan, J.-P., see Cao, J.-L., **139** 617
Rüger, L.J., Irnich, D., Abahji, T.N., Crispin, A., Hoffmann, U., Lang, P.M., Characteristics of chronic ischemic pain in patients with peripheral arterial disease, **139** 201
Russo, J.E., see Sullivan, M.D., **139** 551

Sá, K.N., Baptista, A.F., Matos, M.A., Lessa, Í., Chronic pain and gender in Salvador population, Brazil, **139** 498
Saarni, L., see Mattila, V.M., **139** 209
Sander, T., see Mohr, C., **139** 416
Schechtmann, G., Song, Z., Ultenius, C., Meyerson, B.A., Linderoth, B., Cholinergic mechanisms involved in the pain relieving effect of spinal cord stimulation in a model of neuropathy, **139** 136
Schellingerhout, J.M., Verhagen, A.P., Heymans, M.W., Pool, J.J.M., Vonk, F., Koes, B.W., de Vet, H.C.W., Which subgroups of patients with non-specific neck pain are more likely to benefit from spinal manipulation therapy, physiotherapy, or usual care?, **139** 670
Schestatsky, P., Lladó-Carbó, E., Casanova-Molla, J., Álvarez-Blanco, S., Valls-Solé, J., Small fibre function in patients with meralgia paresthetica, **139** 342
Schmelz, M., see Namer, B., **139** 63
Schmelz, M., see Angst, M.S., **139** 15
Schmidtko, A., Luo, C., Gao, W., Geisslinger, G., Kuner, R., Tegeder, I., Genetic deletion of synapsin II reduces neuropathic pain due to reduced glutamate but increased GABA in the spinal cord dorsal horn, **139** 632
Schofferman, J., Banja, J., Conflicts of interest in pain medicine: Practice patterns and relationships with industry, **139** 494
Schwartz, J.E., see Broderick, J.E., **139** 146
Seltzer, Z., see Zhang, S.-H., **139** 293
Seo, H.-S., Kim, H.-W., Roh, D.-H., Yoon, S.-Y., Kwon, Y.-B., Han, H.-J., Chung, J.M., Beitz, A.J., Lee, J.-H., A new rat model for thrombus-induced ischemic pain (TIIP): development of bilateral mechanical allodynia, **139** 520
Sestito, A., Lanza, G.A., Le Pera, D., De Armas, L., Sgueglia, G.A., Infusino, F., Miliucci, R., Tonali, P.A., Crea, F., Valeriani, M., , Spinal cord stimulation normalizes abnormal cortical pain processing in patients with cardiac syndrome X, **139** 82
Seymour, B., see Brown, C.A., **139** 324
Sgueglia, G.A., see Sestito, A., **139** 82
Shackel, N., see Wiech, K., **139** 467
Shapland, E.M., see Staton, P.C., **139** 225
Sherman, J.J., see Turk, D.C., **139** 55
Shimada, S.G., LaMotte, R.H., Behavioral differentiation between itch and pain in mouse, **139** 681
Simone, D.A., see Pacharinsak, C., **139** 34
Sindrup, S.H., see Otto, M., **139** 275
Sjøgaard, G., see Andersen, L.L., **139** 588
Smiley, R.M., see Landau, R., **139** 5
Smith, J.C., see Staton, P.C., **139** 225
Søgaard, K., see Gerdle, B., **139** 578
Soine, L.A., see Sullivan, M.D., **139** 551
Solomon, P.E., see Prkachin, K.M., **139** 267
Song, X.-J., Zheng, J.-H., Cao, J.-L., Liu, W.-T., Song, X.-S., Huang, Z.-J., EphrinB-EphB receptor signaling contributes to neuropathic pain by regulating neural excitability and spinal synaptic plasticity in rats, **139** 168
Song, X.-J., see Cao, J.-L., **139** 617
Song, X.-S., see Song, X.-J., **139** 168
Song, Z., see Schechtmann, G., **139** 136
Sorkin, L., see Nagakura, Y., **139** 569
Spertus, J.A., see Sullivan, M.D., **139** 551
Srbely, J.Z., Dickey, J.P., Lowerison, M., Michelle Edwards, A., Nolet, P.S., Wong, L.L., Stimulation of myofascial trigger points with ultrasound induces segmental antinociceptive effects: A randomized controlled study, **139** 260
Stahn, S., see Klein, T., **139** 507
Staton, P.C., Hatcher, J.P., Walker, D.J., Morrison, A.D., Shapland, E.M., Hughes, J.P., Chong, E., Mander, P.K., Green, P.J., Billinton, A., Fulleylove, M., Lancaster, H.C., Smith, J.C., Bailey, L.T., Wise, A., Brown, A.J., Richardson, J.C., Chessell, I.P., The putative cannabinoid receptor GPR55 plays a role in mechanical hyperalgesia associated with inflammatory and neuropathic pain, **139** 225
Staud, R., Price, D.D., Role of placebo factors in clinical trials with special focus on enrichment designs, **139** 479
Staud, R., Bovee, C.E., Robinson, M.E., Price, D.D., Cutaneous C-fiber pain abnormalities of fibromyalgia patients are specifically related to temporal summation, **139** 315

Stauffer, J.W., see Turk, D.C., **139** 485
Stöhr, T., see Rice, A.S.C., **139** 243
Stone, A.A., see Broderick, J.E., **139** 146
Stricker, B.H.Ch., see de Mos, M., **139** 458
Sturkenboom, M.C.J.M., see de Mos, M., **139** 458
Suetta, C., see Andersen, L.L., **139** 588
Sullivan, M.D., Ciechanowski, P.S., Russo, J.E., Spertus, J.A., Soine, L.A., Jordan-Keith, K., Caldwell, J.H., Angina pectoris during daily activities and exercise stress testing: The role of inducible myocardial ischemia and psychological distress, **139** 551
Sullivan, M.J.L., see Martel, M.O., **139** 562
Sullivan, M.J.L., see Thibault, P., **139** 47
Surratt, H.L., see Cicero, T.J., **139** 127
Svensson, O., see Turk, D.C., **139** 485
Svensson, P., see List, T., **139** 333
Swanson, K., see Turk, D.C., **139** 55

Takahashi, M., see Takeda, M., **139** 594
Takeda, M., Kitagawa, J., Takahashi, M., Matsumoto, S., Activation of interleukin-1β receptor suppresses the voltage-gated potassium currents in the small-diameter trigeminal ganglion neurons following peripheral inflammation, **139** 594
Talbot, Jeanne D., Something about Mary, **139** 241
Tang, J.-S., see Huo, F.-Q., **139** 398
Tegeder, I., see Schmidtko, A., **139** 632
Thibault, P., see Martel, M.O., **139** 562
Thibault, P., Loisel, P., Durand, M.-J., Catchlove, R., Sullivan, M.J.L., Psychological predictors of pain expression and activity intolerance in chronic pain patients, **139** 47
Thomas, E., Dunn, K.M., Mallen, C., Peat, G., A prognostic approach to defining chronic pain: Application to knee pain in older adults, **139** 389
Tiede, W., see Wiech, K., **139** 467
Tinazzi, M., see Colloca, L., **139** 306
Tingle, M., see Angst, M.S., **139** 15
Todorov, A., see Cicero, T.J., **139** 127
Toeback, L., see Meeus, M., **139** 439
Tonali, P.A., see Sestito, A., **139** 82
Tracey, I., see Wiech, K., **139** 467
Treede, R.-D., see Geber, C., **139** 73
Treede, R.-D., see Klein, T., **139** 507
Treede, R.-D., see Roeska, K., **139** 349
Truijen, S., see Meeus, M., **139** 439
Turk, D.C., Dworkin, R.H., McDermott, M.P., Bellamy, N., Burke, L.B., Chandler, J.M., Cleeland, C.S., Cowan, P., Dimitrova, R., Farrar, J.T., Hertz, S., Heyse, J.F., Iyengar, S., Jadad, A.R., Jay, G.W., Jermano, J.A., Katz, N.P., Manning, D.C., Martin, S., Max, M.B., McGrath, P., McQuay, H.J., Quessy, S., Rappaport, B.A., Revicki, D.A., Rothman, M., Stauffer, J.W., Svensson, O., White, R.E., Witter, J., Analyzing multiple endpoints in clinical trials of pain treatments: IMMPACT recommendations, **139** 485
Turk, D.C., Robinson, J.P., Sherman, J.J., Burwinkle, T., Swanson, K., Assessing fear in patients with cervical pain: Development and validation of the Pictorial Fear of Activity Scale-Cervical (PFActS-C), **139** 55

Ultenius, C., see Schechtmann, G., **139** 136

Valeriani, M., see Sestito, A., **139** 82
Valeriani, M., see Colloca, L., **139** 306
Valls-Solé, J., see Schestatsky, P., **139** 342
Van de Wauwer, N., see Meeus, M., **139** 439
Vangronsveld, K.L.H., Peters, M., Goossens, M., Vlaeyen, J., The influence of fear of movement and pain catastrophizing on daily pain and disability in individuals with acute whiplash injury: A daily diary study, **139** 449
Verhagen, A.P., see Schellingerhout, J.M., **139** 670
Verne, G.N., see Craggs, J.G., **139** 660
Verne, G.N., see Zhou, Q., **139** 218
Verrier, M.J., see Dick, B.D., **139** 610
Vikingstad, G., see Broderick, J.E., **139** 146
Vlaeyen, J., see Vangronsveld, K.L.H., **139** 449
Vogt, T., see Geber, C., **139** 73
Vonk, F., see Schellingerhout, J.M., **139** 670

Walker, D.J., see Staton, P.C., **139** 225
Wang, P., see Wang, Z.-Y., **139** 158
Wang, Z.-Y., Wang, P., Merriam, F.V., Bjorling, D.E., Lack of TRPV1 inhibits cystitis-induced increased mechanical sensitivity in mice, **139** 158
Waxman, S.G., see Zhao, P., **139** 90
White, R.E., see Turk, D.C., **139** 485
Wiech, K., Farias, M., Kahane, G., Shackel, N., Tiede, W., Tracey, I., An fMRI study measuring analgesia enhanced by religion as a belief system, **139** 467
Wienecke, T., Olesen, J., Oturai, P.S., Ashina, M., Prostacyclin (epoprostenol) induces headache in healthy subjects, **139** 106
Wise, A., see Staton, P.C., **139** 225
Witter, J., see Turk, D.C., **139** 485
Wong, L.L., see Srbely, J.Z., **139** 260
Wymer, J.P., see Zhao, P., **139** 90

Yaksh, T.L., see Nagakura, Y., **139** 569
Yang, G.Y., see Lee, M.K., **139** 367
Yeomans, D.C., see Angst, M.S., **139** 15
Yoon, S.-Y., see Seo, H.-S., **139** 520
Yuan, Y., see Cao, J.-L., **139** 617

Zeng, Y.-M., see Cao, J.-L., **139** 617
Zhang, L.-C., see Cao, J.-L., **139** 617
Zhang, S.-H., Blech-Hermoni, Y., Faravelli, L., Seltzer, Z., Ralfinamide administered orally before hindpaw neurectomy or postoperatively provided long-lasting suppression of spontaneous neuropathic pain-related behavior in the rat, **139** 293
Zhao, P., Barr, T.P., Hou, Q., Dib-Hajj, S.D., Black, J.A., Albrecht, P.J., Petersen, K., Eisenberg, E., Wymer, J.P., Rice, F.L., Waxman, S.G., Voltage-gated sodium channel expression in rat and human epidermal keratinocytes: Evidence for a role in pain, **139** 90
Zheng, J.-H., see Song, X.-J., **139** 168
Zhou, Q., Price, D.D., Verne, G.N., Reversal of visceral and somatic hypersensitivity in a subset of hypersensitive rats by intracolonic lidocaine, **139** 218

Pain 139 (2008) 693–703

PAIN

www.elsevier.com/locate/pain

Subject Index to Volume 139 (2008)

A118G
Genetic variability of the μ-opioid receptor influences intrathecal fentanyl analgesia requirements in laboring women, **139**, 5
A118G
The mu opioid receptor A118G gene polymorphism moderates effects of trait anger-out on acute pain sensitivity, **139**, 406
304A/G
Genetic variability of the μ-opioid receptor influences intrathecal fentanyl analgesia requirements in laboring women, **139**, 5
Accuracy
Contextual determinants of pain judgments, **139**, 562
Acetaminophen
Endocannabinoid and serotonergic systems are needed for acetaminophen-induced analgesia, **139**, 190
Acetylcholine
Cholinergic mechanisms involved in the pain relieving effect of spinal cord stimulation in a model of neuropathy, **139**, 136
Activity intolerance
Psychological predictors of pain expression and activity intolerance in chronic pain patients, **139**, 47
Activity limitations
Validation of a self-report questionnaire version of the Child Activity Limitations Interview (CALI): The CALI-21, **139**, 644
Acute pain
Analyzing multiple endpoints in clinical trials of pain treatments: IMMPACT recommendations, **139**, 485
Adolescents
Predictors of low back pain hospitalization – A prospective follow-up of 57,408 adolescents, **139**, 209
Adolescents
Validation of a self-report questionnaire version of the Child Activity Limitations Interview (CALI): The CALI-21, **139**, 644
Allodynia
Effects of morphine on the experimental illusion of pain produced by a thermal grill, **139**, 653
Allodynia
Injury discharges regulate calcium channel alpha-2-delta-1 subunit upregulation in the dorsal horn that contributes to initiation of neuropathic pain, **139**, 358
Allopregnanolone
Fast non-genomic effects of progesterone-derived neurosteroids on nociceptive thresholds and pain symptoms, **139**, 603
AMN082
Glutamate receptor ligands attenuate allodynia and hyperalgesia and potentiate morphine effects in a mouse model of neuropathic pain, **139**, 117
AMPA/kainate receptor
The sensitization of a broad spectrum of sensory nerve fibers in a rat model of acute postoperative pain and its response to intrathecal pharmacotherapy, **139**, 569
Analgesia
An fMRI study measuring analgesia enhanced by religion as a belief system, **139**, 467
Analgesia
Cytokine profile in human skin in response to experimental inflammation, noxious stimulation, and administration of a COX-inhibitor: A microdialysis study, **139**, 15
Anger expression
The mu opioid receptor A118G gene polymorphism moderates effects of trait anger-out on acute pain sensitivity, **139**, 406
Anger management style
The mu opioid receptor A118G gene polymorphism moderates effects of trait anger-out on acute pain sensitivity, **139**, 406
Anger suppression
The mu opioid receptor A118G gene polymorphism moderates effects of trait anger-out on acute pain sensitivity, **139**, 406
Anger-in
The mu opioid receptor A118G gene polymorphism moderates effects of trait anger-out on acute pain sensitivity, **139**, 406
Anger-out
The mu opioid receptor A118G gene polymorphism moderates effects of trait anger-out on acute pain sensitivity, **139**, 406
Angina pectoris
Spinal cord stimulation normalizes abnormal cortical pain processing in patients with cardiac syndrome X, **139**, 82
Animal model
Reversal of visceral and somatic hypersensitivity in a subset of hypersensitive rats by intracolonic lidocaine, **139**, 218
Animal models
Anxiety-like behaviour in rats with mononeuropathy is reduced by the analgesic drugs morphine and gabapentin, **139**, 349
Anticipation
Confidence in beliefs about pain predicts expectancy effects on pain perception and anticipatory processing in right anterior insula, **139**, 324
Anti-hyperalgesia
Cytokine profile in human skin in response to experimental inflammation, noxious stimulation, and administration of a COX-inhibitor: A microdialysis study, **139**, 15
Anti-inflammatory
Cytokine profile in human skin in response to experimental inflammation, noxious stimulation, and administration of a COX-inhibitor: A microdialysis study, **139**, 15
Antinociception
GABAergic modulation is involved in the ventrolateral orbital cortex 5-HT_{1A} receptor activation-induced antinociception in the rat, **139**, 398
Antinociception
Low doses of cannabinoids enhance the antinociceptive effects of intracisternally administered mGluRs groups II and III agonists in formalin-induced TMJ nociception in rats, **139**, 367

doi:10.1016/S0304-3959(08)00579-4

Antinociception
Stimulation of myofascial trigger points with ultrasound induces segmental antinociceptive effects: A randomized controlled study, **139**, 260
Anxiety
Anxiety-like behaviour in rats with mononeuropathy is reduced by the analgesic drugs morphine and gabapentin, **139**, 349
Anxiety
Angina pectoris during daily activities and exercise stress testing: The role of inducible myocardial ischemia and psychological distress, **139**, 551
Arterial thrombus
A new rat model for thrombus-induced ischemic pain (TIIP): development of bilateral mechanical allodynia, **139**, 520
ATP
Voltage-gated sodium channel expression in rat and human epidermal keratinocytes: Evidence for a role in pain, **139**, 90
Attention
Disruption of cognitive function in Fibromyalgia Syndrome, **139**, 610
Atypical facial pain
Somatosensory abnormalities in atypical odontalgia: A case-control study, **139**, 333
Autotomy
Ralfinamide administered orally before hindpaw neurectomy or postoperatively provided long-lasting suppression of spontaneous neuropathic pain-related behavior in the rat, **139**, 293
Axon-reflex-flare
Role of TRPM8 and TRPA1 for cold allodynia in patients with cold injury, **139**, 63
Blood brain barrier
Profound reduction of somatic and visceral pain in mice by intrathecal administration of the anti-migraine drug, sumatriptan, **139**, 533
Bradykinin
Bradykinin and kallidin levels in the trapezius muscle in patients with work-related trapezius myalgia, in patients with whiplash associated pain, and in healthy controls – A microdialysis study of women, **139**, 578
Brain imaging
The dynamic mechanisms of placebo induced analgesia: Evidence of sustained and transient regional involvement, **139**, 660
Brainstem
NK-1 receptors in the rostral ventromedial medulla contribute to hyperalgesia produced by intraplantar injection of capsaicin, **139**, 34
Brief Fatigue Inventory
The accuracy of pain and fatigue items across different reporting periods, **139**, 146
Brief Pain Inventory
The accuracy of pain and fatigue items across different reporting periods, **139**, 146
Ca^{++} Channel blocker
Ralfinamide administered orally before hindpaw neurectomy or postoperatively provided long-lasting suppression of spontaneous neuropathic pain-related behavior in the rat, **139**, 293
Cannabinoid
Low doses of cannabinoids enhance the antinociceptive effects of intracisternally administered mGluRs groups II and III agonists in formalin-induced TMJ nociception in rats, **139**, 367
Cannabinoid
The endogenous fatty acid amide, palmitoylethanolamide, has anti-allodynic and anti-hyperalgesic effects in a murine model of neuropathic pain: involvement of CB_1, TRPV1 and $PPAR\gamma$ receptors and neurotrophic factors, **139**, 541
Cannabinoid
The putative cannabinoid receptor GPR55 plays a role in mechanical hyperalgesia associated with inflammatory and neuropathic pain, **139**, 225
Capsaicin
Behavioral differentiation between itch and pain in mouse, **139**, 681
Capsaicin
Central representation of cold-evoked pain relief in capsaicin induced pain: An event-related fMRI study, **139**, 416
Carrageenan
Fast non-genomic effects of progesterone-derived neurosteroids on nociceptive thresholds and pain symptoms, **139**, 603
Catastrophizing
Contextual determinants of pain judgments, **139**, 562
Central plasticity
Numbness in clinical and experimental pain – A cross-sectional study exploring the mechanisms of reduced tactile function, **139**, 73
Central sensitization
Cutaneous C-fiber pain abnormalities of fibromyalgia patients are specifically related to temporal summation, **139**, 315
Central sensitization
The role of heterosynaptic facilitation in long-term potentiation (LTP) of human pain sensation, **139**, 507
Cerebral artery dilatation
Prostacyclin (epoprostenol) induces headache in healthy subjects, **139**, 106
Cerebral blood flow
Prostacyclin (epoprostenol) induces headache in healthy subjects, **139**, 106
Cervical injury
Assessing fear in patients with cervical pain: Development and validation of the Pictorial Fear of Activity Scale-Cervical (PFActS-C), **139**, 55
C-fiber
Cutaneous C-fiber pain abnormalities of fibromyalgia patients are specifically related to temporal summation, **139**, 315
Cheek
Behavioral differentiation between itch and pain in mouse, **139**, 681
Chemokines
Cytokine profile in human skin in response to experimental inflammation, noxious stimulation, and administration of a COX-inhibitor: A microdialysis study, **139**, 15
Chemosensory
Trigeminal activation using chemical, electrical, and mechanical stimuli, **139**, 376
Chest pain
Angina pectoris during daily activities and exercise stress testing: The role of inducible myocardial ischemia and psychological distress, **139**, 551
Children
Validation of a self-report questionnaire version of the Child Activity Limitations Interview (CALI): The CALI-21, **139**, 644
Cholinergic system
Cholinergic mechanisms involved in the pain relieving effect of spinal cord stimulation in a model of neuropathy, **139**, 136
Chronic fatigue syndrome (CFS)
Diffuse noxious inhibitory control is delayed in chronic fatigue syndrome: An experimental study, **139**, 439
Chronic ischemia
Characteristics of chronic ischemic pain in patients with peripheral arterial disease, **139**, 201
Chronic pain
Analyzing multiple endpoints in clinical trials of pain treatments: IMMPACT recommendations, **139**, 485
Chronic pain
Chronic pain and gender in Salvador population, Brazil, **139**, 498

Chronic pain
Cutaneous C-fiber pain abnormalities of fibromyalgia patients are specifically related to temporal summation, **139**, 315
Chronic pain
Disruption of cognitive function in Fibromyalgia Syndrome, **139**, 610
Chronic pain
Validation of a self-report questionnaire version of the Child Activity Limitations Interview (CALI): The CALI-21, **139**, 644
Cinnamaldehyde
Role of TRPM8 and TRPA1 for cold allodynia in patients with cold injury, **139**, 63
Claudication
Characteristics of chronic ischemic pain in patients with peripheral arterial disease, **139**, 201
CLI
Characteristics of chronic ischemic pain in patients with peripheral arterial disease, **139**, 201
Clinical trials
Analyzing multiple endpoints in clinical trials of pain treatments: IMMPACT recommendations, **139**, 485
Cognitive
An fMRI study measuring analgesia enhanced by religion as a belief system, **139**, 467
Cognitive disruption
Disruption of cognitive function in Fibromyalgia Syndrome, **139**, 610
Cold allodynia
Role of TRPM8 and TRPA1 for cold allodynia in patients with cold injury, **139**, 63
Cold hypersensitivity
Role of TRPM8 and TRPA1 for cold allodynia in patients with cold injury, **139**, 63
Cold injury
Role of TRPM8 and TRPA1 for cold allodynia in patients with cold injury, **139**, 63
Cold pressor
Stress-evoked opioid release inhibits pain in major depressive disorder, **139**, 284
Cold pressor test
Oral opioid use alters DNIC but not cold pain perception in patients with chronic pain – New perspective of opioid-induced hyperalgesia, **139**, 431
Combined spinal–epidural
Genetic variability of the μ-opioid receptor influences intrathecal fentanyl analgesia requirements in laboring women, **139**, 5
Co-morbid
Co-morbid pain and psychopathology in males and females admitted to treatment for opioid analgesic abuse, **139**, 127
Comorbidity
Anxiety-like behaviour in rats with mononeuropathy is reduced by the analgesic drugs morphine and gabapentin, **139**, 349
Comorbidity
Medical history and the onset of complex regional pain syndrome (CRPS), **139**, 458
Complex regional pain syndrome
Medical history and the onset of complex regional pain syndrome (CRPS), **139**, 458
Conditioning
Learning potentiates neurophysiological and behavioral placebo analgesic responses, **139**, 306
Contact heat
Central representation of cold-evoked pain relief in capsaicin induced pain: An event-related fMRI study, **139**, 416
Contact heat-evoked potentials
Small fibre function in patients with meralgia paresthetica, **139**, 342
Context
Contextual determinants of pain judgments, **139**, 562
Coronary heart disease
Angina pectoris during daily activities and exercise stress testing: The role of inducible myocardial ischemia and psychological distress, **139**, 551
Cortisol
Diffuse noxious inhibitory control is delayed in chronic fatigue syndrome: An experimental study, **139**, 439
Cyclooxygenase Inhibitor
Cytokine profile in human skin in response to experimental inflammation, noxious stimulation, and administration of a COX-inhibitor: A microdialysis study, **139**, 15
Cyclophosphamide
Lack of TRPV1 inhibits cystitis-induced increased mechanical sensitivity in mice, **139**, 158
Cystitis
Lack of TRPV1 inhibits cystitis-induced increased mechanical sensitivity in mice, **139**, 158
Cytokine
The putative cannabinoid receptor GPR55 plays a role in mechanical hyperalgesia associated with inflammatory and neuropathic pain **139**, 225
Cytokines
Cytokine profile in human skin in response to experimental inflammation, noxious stimulation, and administration of a COX-inhibitor: A microdialysis study, **139**, 15
Decision model
Which subgroups of patients with non-specific neck pain are more likely to benefit from spinal manipulation therapy, physiotherapy, or usual care? **139**, 670
Deep dorsal horn neuron
Long-lasting enhancement in the intrinsic excitability of deep dorsal horn neurons, **139**, 181
Depression
Angina pectoris during daily activities and exercise stress testing: The role of inducible myocardial ischemia and psychological distress, **139**, 551
Dermatome
Cutaneous C-fiber pain abnormalities of fibromyalgia patients are specifically related to temporal summation, **139**, 315
Descending analgesia
Oral opioid use alters DNIC but not cold pain perception in patients with chronic pain – New perspective of opioid-induced hyperalgesia, **139**, 431
Descending facilitation
NK-1 receptors in the rostral ventromedial medulla contribute to hyperalgesia produced by intraplantar injection of capsaicin, **139**, 34
Diary
The influence of fear of movement and pain catastrophizing on daily pain and disability in individuals with acute whiplash injury: A daily diary study, **139**, 449
Diffuse noxious inhibitory controls (DNIC)
Diffuse noxious inhibitory control is delayed in chronic fatigue syndrome: An experimental study, **139**, 439
Diffuse noxious inhibitory control (DNIC)
Oral opioid use alters DNIC but not cold pain perception in patients with chronic pain – New perspective of opioid-induced hyperalgesia, **139**, 439
Dorsal root ganglion
EphrinB-EphB receptor signaling contributes to neuropathic pain by regulating neural excitability and spinal synaptic plasticity in rats, **139**, 168
Endocannabinoids
Endocannabinoid and serotonergic systems are needed for acetaminophen-induced analgesia, **139**, 190

EphB
Activation of peripheral ephrinBs/EphBs signaling induces hyperalgesia through a MAPKs-mediated mechanism in mice, **139**, 617
EphB receptors
EphrinB-EphB receptor signaling contributes to neuropathic pain by regulating neural excitability and spinal synaptic plasticity in rats, **139**, 168
EphrinB
Activation of peripheral ephrinBs/EphBs signaling induces hyperalgesia through a MAPKs-mediated mechanism in mice, **139**, 617
Epidemiology
A prognostic approach to defining chronic pain: Application to knee pain in older adults, **139**, 389
Epidemiology
Chronic pain and gender in Salvador population, Brazil, **139**, 498
Epidemiology
Medical history and the onset of complex regional pain syndrome (CRPS), **139**, 458
Escitalopram
Escitalopram in painful polyneuropathy: A randomized, placebo-controlled, cross-over trial, **139**, 275
Expectancy
Confidence in beliefs about pain predicts expectancy effects on pain perception and anticipatory processing in right anterior insula, **139**, 324
Expectation
Learning potentiates neurophysiological and behavioral placebo analgesic responses, **139**, 306
Experimental headache
Prostacyclin (epoprostenol) induces headache in healthy subjects, **139**, 106
Experimental pain
Numbness in clinical and experimental pain – A cross-sectional study exploring the mechanisms of reduced tactile function, **139**, 73
Extrinsic sensitization
The role of heterosynaptic facilitation in long-term potentiation (LTP) of human pain sensation, **139**, 507
Facial Action Coding System
The structure, reliability and validity of pain expression: Evidence from patients with shoulder pain, **139**, 267
Facial expression
The structure, reliability and validity of pain expression: Evidence from patients with shoulder pain, **139**, 267
Factor analysis
Validation of a self-report questionnaire version of the Child Activity Limitations Interview (CALI): The CALI-21, **139**, 644
Fatigue
The accuracy of pain and fatigue items across different reporting periods, **139**, 146
Fatty acid amide hydrolase
Endocannabinoid and serotonergic systems are needed for acetaminophen-induced analgesia, **139**, 190
Fear of movement
Assessing fear in patients with cervical pain: Development and validation of the Pictorial Fear of Activity Scale-Cervical (PFActS-C), **139**, 55
Fear of movement
The influence of fear of movement and pain catastrophizing on daily pain and disability in individuals with acute whiplash injury: A daily diary study, **139**, 449
Fentanyl
Genetic variability of the μ-opioid receptor influences intrathecal fentanyl analgesia requirements in laboring women, **139**, 5
Ferrous chloride
A new rat model for thrombus-induced ischemic pain (TIIP): development of bilateral mechanical allodynia, **139**, 520
Fibromyalgia
Cutaneous C-fiber pain abnormalities of fibromyalgia patients are specifically related to temporal summation, **139**, 315
Fibromyalgia Syndrome
Disruption of cognitive function in Fibromyalgia Syndrome, **139**, 610
fMRI
An fMRI study measuring analgesia enhanced by religion as a belief system, **139**, 467
fMRI
Trigeminal activation using chemical, electrical, and mechanical stimuli, **139**, 376
Formalin
Low doses of cannabinoids enhance the antinociceptive effects of intracisternally administered mGluRs groups II and III agonists in formalin-induced TMJ nociception in rats, **139**, 367
GABAA receptor
Fast non-genomic effects of progesterone-derived neurosteroids on nociceptive thresholds and pain symptoms, **139**, 603
GABAergic modulation
GABAergic modulation is involved in the ventrolateral orbital cortex 5-HT_{1A} receptor activation-induced antinociception in the rat, **139**, 398
Gender
Oral opioid use alters DNIC but not cold pain perception in patients with chronic pain – New perspective of opioid-induced hyperalgesia, **139**, 431
Genetic
The mu opioid receptor A118G gene polymorphism moderates effects of trait anger-out on acute pain sensitivity, **139**, 406
Genetic variability
Genetic variability of the μ-opioid receptor influences intrathecal fentanyl analgesia requirements in laboring women, **139**, 5
Glutamate
Genetic deletion of synapsin II reduces neuropathic pain due to reduced glutamate but increased GABA in the spinal cord dorsal horn, **139**, 632
Glycine receptor
Fast non-genomic effects of progesterone-derived neurosteroids on nociceptive thresholds and pain symptoms, **139**, 603
GPR55
The putative cannabinoid receptor GPR55 plays a role in mechanical hyperalgesia associated with inflammatory and neuropathic pain, **139**, 225
Head pain
Prostacyclin (epoprostenol) induces headache in healthy subjects, **139**, 106
Headache pathophysiology
Prostacyclin (epoprostenol) induces headache in healthy subjects, **139**, 106
Headache
Profound reduction of somatic and visceral pain in mice by intrathecal administration of the anti-migraine drug, sumatriptan, **139**, 533
Headache
Prostacyclin (epoprostenol) induces headache in healthy subjects, **139**, 106
Health status
Angina pectoris during daily activities and exercise stress testing: The role of inducible myocardial ischemia and psychological distress, **139**, 551
Heat
Cytokine profile in human skin in response to experimental inflammation, noxious stimulation, and administration of a COX-inhibitor: A microdialysis study, **139**, 15

Heat hyperalgesia
Central representation of cold-evoked pain relief in capsaicin induced pain: An event-related fMRI study, **139**, 416
Histamine
Behavioral differentiation between itch and pain in mouse, **139**, 681
Hospitalization
Predictors of low back pain hospitalization – A prospective follow-up of 57,408 adolescents, **139**, 209
HPA-axis
Diffuse noxious inhibitory control is delayed in chronic fatigue syndrome: An experimental study, **139**, 439
5-HT_{1A} receptor
GABAergic modulation is involved in the ventrolateral orbital cortex 5-HT_{1A} receptor activation-induced antinociception in the rat, **139**, 398
Human
Bradykinin and kallidin levels in the trapezius muscle in patients with work-related trapezius myalgia, in patients with whiplash associated pain, and in healthy controls – A microdialysis study of women, **139**, 578
Human
Cytokine profile in human skin in response to experimental inflammation, noxious stimulation, and administration of a COX-inhibitor: A microdialysis study, **139**, 15
Human
Genetic variability of the μ-opioid receptor influences intrathecal fentanyl analgesia requirements in laboring women, **139**, 5
Human pain model
Effects of morphine on the experimental illusion of pain produced by a thermal grill, **139**, 653
Hyperalgesia
Activation of peripheral ephrinBs/EphBs signaling induces hyperalgesia through a MAPKs-mediated mechanism in mice, **139**, 617
Hyperalgesia
Cutaneous C-fiber pain abnormalities of fibromyalgia patients are specifically related to temporal summation, **139**, 315
Hyperalgesia
Cytokine profile in human skin in response to experimental inflammation, noxious stimulation, and administration of a COX-inhibitor: A microdialysis study, **139**, 15
Hyperalgesia
Oral opioid use alters DNIC but not cold pain perception in patients with chronic pain – New perspective of opioid-induced hyperalgesia, **139**, 431
Hyperalgesia
The putative cannabinoid receptor GPR55 plays a role in mechanical hyperalgesia associated with inflammatory and neuropathic pain, **139**, 225
Hyperalgesia
The role of heterosynaptic facilitation in long-term potentiation (LTP) of human pain sensation, **139**, 507
Hyperexcitability
EphrinB-EphB receptor signaling contributes to neuropathic pain by regulating neural excitability and spinal synaptic plasticity in rats, **139**, 168
Ibuprofen
Cytokine profile in human skin in response to experimental inflammation, noxious stimulation, and administration of a COX-inhibitor: A microdialysis study, **139**, 15
Inflammation
Activation of interleukin-1β receptor suppresses the voltage-gated potassium currents in the small-diameter trigeminal ganglion neurons following peripheral inflammation, **139**, 594
Inflammation
Cytokine profile in human skin in response to experimental inflammation, noxious stimulation, and administration of a COX-inhibitor: A microdialysis study, **139**, 15
Inflammation
Profound reduction of somatic and visceral pain in mice by intrathecal administration of the anti-migraine drug, sumatriptan, **139**, 533
Inflammation
The putative cannabinoid receptor GPR55 plays a role in mechanical hyperalgesia associated with inflammatory and neuropathic pain, **139**, 225
Inflammatory pain
Fast non-genomic effects of progesterone-derived neurosteroids on nociceptive thresholds and pain symptoms, **139**, 603
Initiation
Injury discharges regulate calcium channel alpha-2-delta-1 subunit upregulation in the dorsal horn that contributes to initiation of neuropathic pain, **139**, 358
Instrument development
Assessing fear in patients with cervical pain: Development and validation of the Pictorial Fear of Activity Scale-Cervical (PFActS-C), **139**, 55
Interleukins
Cytokine profile in human skin in response to experimental inflammation, noxious stimulation, and administration of a COX-inhibitor: A microdialysis study, **139**, 15
Intrathecal
Profound reduction of somatic and visceral pain in mice by intrathecal administration of the anti-migraine drug, sumatriptan, **139**, 533
Intrinsic excitability
Long-lasting enhancement in the intrinsic excitability of deep dorsal horn neurons, **139**, 181
Irritable bowel syndrome
Reversal of visceral and somatic hypersensitivity in a subset of hypersensitive rats by intracolonic lidocaine, **139**, 218
Irritable bowel syndrome
The dynamic mechanisms of placebo induced analgesia: Evidence of sustained and transient regional involvement, **139**, 660
Kallidin
Bradykinin and kallidin levels in the trapezius muscle in patients with work-related trapezius myalgia, in patients with whiplash associated pain, and in healthy controls – A microdialysis study of women, **139**, 578
Keratinocytes
Voltage-gated sodium channel expression in rat and human epidermal keratinocytes: Evidence for a role in pain, **139**, 90
Knee pain
A prognostic approach to defining chronic pain: Application to knee pain in older adults, **139**, 389
Labor
Genetic variability of the μ-opioid receptor influences intrathecal fentanyl analgesia requirements in laboring women, **139**, 5
Laser evoked potential
Spinal cord stimulation normalizes abnormal cortical pain processing in patients with cardiac syndrome X, **139**, 82
Laser-evoked potentials
Learning potentiates neurophysiological and behavioral placebo analgesic responses, **139**, 306
Learning
Learning potentiates neurophysiological and behavioral placebo analgesic responses, **139**, 306
Lidocaine
Reversal of visceral and somatic hypersensitivity in a subset of hypersensitive rats by intracolonic lidocaine, **139**, 218
Logistic regression
Which subgroups of patients with non-specific neck pain are more likely to benefit from spinal manipulation therapy, physiotherapy, or usual care? **139**, 670

Longitudinal
Predictors of low back pain hospitalization – A prospective follow-up of 57,408 adolescents, **139**, 209
Low back pain
Predictors of low back pain hospitalization – A prospective follow-up of 57,408 adolescents, **139**, 209
LTP
EphrinB-EphB receptor signaling contributes to neuropathic pain by regulating neural excitability and spinal synaptic plasticity in rats, **139**, 168
LY379268
Glutamate receptor ligands attenuate allodynia and hyperalgesia and potentiate morphine effects in a mouse model of neuropathic pain, **139**, 117
Major depressive disorder
Stress-evoked opioid release inhibits pain in major depressive disorder, **139**, 284
McGill Pain Questionnaire
The accuracy of pain and fatigue items across different reporting periods, **139**, 146
Measurement
The accuracy of pain and fatigue items across different reporting periods, **139**, 146
Measurement
Validation of a self-report questionnaire version of the Child Activity Limitations Interview (CALI): The CALI-21, **139**, 644
Mechanical
Cytokine profile in human skin in response to experimental inflammation, noxious stimulation, and administration of a COX-inhibitor: A microdialysis study, **139**, 15
Mechanical allodynia
A new rat model for thrombus-induced ischemic pain (TIIP): development of bilateral mechanical allodynia, **139**, 520
Mechanical allodynia
Fast non-genomic effects of progesterone-derived neurosteroids on nociceptive thresholds and pain symptoms, **139**, 603
Mechanical hyperalgesia
Numbness in clinical and experimental pain – A cross-sectional study exploring the mechanisms of reduced tactile function, **139**, 73
Mechanosensitivity
Lack of TRPV1 inhibits cystitis-induced increased mechanical sensitivity in mice, **139**, 158
Medical history
Medical history and the onset of complex regional pain syndrome (CRPS), **139**, 458
Megafiber
Increased proportion of megafibers in chronically painful muscles, **139**, 588
Memory
The accuracy of pain and fatigue items across different reporting periods, **139**, 146
Menthol
Role of TRPM8 and TRPA1 for cold allodynia in patients with cold injury, **139**, 63
Meralgia paresthetica
Small fibre function in patients with meralgia paresthetica, **139**, 342
mGluRs
Low doses of cannabinoids enhance the antinociceptive effects of intracisternally administered mGluRs groups II and III agonists in formalin-induced TMJ nociception in rats, **139**, 367
Mice
Lack of TRPV1 inhibits cystitis-induced increased mechanical sensitivity in mice, **139**, 158
Microdialysis
Cholinergic mechanisms involved in the pain relieving effect of spinal cord stimulation in a model of neuropathy, **139**, 136
Microdialysis
Cytokine profile in human skin in response to experimental inflammation, noxious stimulation, and administration of a COX-inhibitor: A microdialysis study, **139**, 15
Microdialysis
Bradykinin and kallidin levels in the trapezius muscle in patients with work-related trapezius myalgia, in patients with whiplash associated pain, and in healthy controls – A microdialysis study of women, **139**, 578
Migraine
Prostacyclin (epoprostenol) induces headache in healthy subjects, **139**, 106
Migraine
Profound reduction of somatic and visceral pain in mice by intrathecal administration of the anti-migraine drug, sumatriptan, **139**, 533
Misusers/abusers
Co-morbid pain and psychopathology in males and females admitted to treatment for opioid analgesic abuse, **139**, 127
Mitogen-activated protein kinases
Activation of peripheral ephrinBs/EphBs signaling induces hyperalgesia through a MAPKs-mediated mechanism in mice, **139**, 617
Modulation
An fMRI study measuring analgesia enhanced by religion as a belief system, **139**, 467
Momentary assessment
The accuracy of pain and fatigue items across different reporting periods, **139**, 146
Morphine
Glutamate receptor ligands attenuate allodynia and hyperalgesia and potentiate morphine effects in a mouse model of neuropathic pain, **139**, 117
Morphine
The sensitization of a broad spectrum of sensory nerve fibers in a rat model of acute postoperative pain and its response to intrathecal pharmacotherapy, **139**, 569
Motor unit
Increased proportion of megafibers in chronically painful muscles, **139**, 588
Motor vehicle collisions
Assessing fear in patients with cervical pain: Development and validation of the Pictorial Fear of Activity Scale-Cervical (PFActS-C), **139**, 55
MPEP
Glutamate receptor ligands attenuate allodynia and hyperalgesia and potentiate morphine effects in a mouse model of neuropathic pain, **139**, 117
Multiple endpoints
Analyzing multiple endpoints in clinical trials of pain treatments: IMMPACT recommendations, **139**, 485
Multiplicity
Analyzing multiple endpoints in clinical trials of pain treatments: IMMPACT recommendations, **139**, 485
Muscarinic receptors
Cholinergic mechanisms involved in the pain relieving effect of spinal cord stimulation in a model of neuropathy, **139**, 136
Muscle
Bradykinin and kallidin levels in the trapezius muscle in patients with work-related trapezius myalgia, in patients with whiplash associated pain, and in healthy controls – A microdialysis study of women, **139**, 578
Musculoskeletal pain
Stimulation of myofascial trigger points with ultrasound induces segmental antinociceptive effects: A randomized controlled study, **139**, 260

Myalgia
Increased proportion of megafibers in chronically painful muscles, **139**, 588
Myofascial pain
Numbness in clinical and experimental pain – A cross-sectional study exploring the mechanisms of reduced tactile function, **139**, 73
Myofascial pain
Stimulation of myofascial trigger points with ultrasound induces segmental antinociceptive effects: A randomized controlled study, **139**, 260
Na^+ channel blocker
Ralfinamide administered orally before hindpaw neurectomy or postoperatively provided long-lasting suppression of spontaneous neuropathic pain-related behavior in the rat, **139**, 293
Naltrexone
Stress-evoked opioid release inhibits pain in major depressive disorder, **139**, 284
Neck muscle pain
Increased proportion of megafibers in chronically painful muscles, **139**, 588
Neck pain
Assessing fear in patients with cervical pain: Development and validation of the Pictorial Fear of Activity Scale-Cervical (PFActS-C), **139**, 55
Neck pain
Increased proportion of megafibers in chronically painful muscles, **139**, 588
Neck pain
Which subgroups of patients with non-specific neck pain are more likely to benefit from spinal manipulation therapy, physiotherapy, or usual care? **139**, 670
Negative affect
Stress-evoked opioid release inhibits pain in major depressive disorder, **139**, 284
Nerve Growth Factor
Cytokine profile in human skin in response to experimental inflammation, noxious stimulation, and administration of a COX-inhibitor: A microdialysis study, **139**, 15
Nerve injury
EphrinB-EphB receptor signaling contributes to neuropathic pain by regulating neural excitability and spinal synaptic plasticity in rats, **139**, 168
Nerve injury
Genetic deletion of synapsin II reduces neuropathic pain due to reduced glutamate but increased GABA in the spinal cord dorsal horn, **139**, 632
Nerve injury
Injury discharges regulate calcium channel alpha-2-delta-1 subunit upregulation in the dorsal horn that contributes to initiation of neuropathic pain, **139**, 358
Nerve-end neuroma
Ralfinamide administered orally before hindpaw neurectomy or postoperatively provided long-lasting suppression of spontaneous neuropathic pain-related behavior in the rat, **139**, 293
Neuropathic pain
Anxiety-like behaviour in rats with mononeuropathy is reduced by the analgesic drugs morphine and gabapentin, **139**, 349
Neuropathic pain
Characteristics of chronic ischemic pain in patients with peripheral arterial disease, **139**, 201
Neuropathic pain
Escitalopram in painful polyneuropathy: A randomized, placebo-controlled, cross-over trial, **139**, 275
Neuropathic pain
Glutamate receptor ligands attenuate allodynia and hyperalgesia and potentiate morphine effects in a mouse model of neuropathic pain, **139**, 117
Neuropathic pain
Injury discharges regulate calcium channel alpha-2-delta-1 subunit upregulation in the dorsal horn that contributes to initiation of neuropathic pain, **139**, 358
Neuropathic pain
Numbness in clinical and experimental pain – A cross-sectional study exploring the mechanisms of reduced tactile function, **139**, 73
Neuropathic pain
Ralfinamide administered orally before hindpaw neurectomy or postoperatively provided long-lasting suppression of spontaneous neuropathic pain-related behavior in the rat, **139**, 293
Neuropathic pain
Somatosensory abnormalities in atypical odontalgia: A case-control study, **139**, 333
Neuropathic pain
The endogenous fatty acid amide, palmitoylethanolamide, has anti-allodynic and anti-hyperalgesic effects in a murine model of neuropathic pain: involvement of CB_1, TRPV1 and PPARγ receptors and neurotrophic factors, **139**, 541
Neuropathic pain
The role of heterosynaptic facilitation in long-term potentiation (LTP) of human pain sensation, **139**, 507
Neurosteroid
Fast non-genomic effects of progesterone-derived neurosteroids on nociceptive thresholds and pain symptoms, **139**, 603
Neurotransmitters
Prostacyclin (epoprostenol) induces headache in healthy subjects, **139**, 106
Neurotrophic factors
The endogenous fatty acid amide, palmitoylethanolamide, has anti-allodynic and anti-hyperalgesic effects in a murine model of neuropathic pain: involvement of CB_1, TRPV1 and PPARγ receptors and neurotrophic factors, **139**, 541
NMDA receptor blocker
Ralfinamide administered orally before hindpaw neurectomy or postoperatively provided long-lasting suppression of spontaneous neuropathic pain-related behavior in the rat, **139**, 293
Nociception
Behavioral differentiation between itch and pain in mouse, **139**, 681
Nociception
Confidence in beliefs about pain predicts expectancy effects on pain perception and anticipatory processing in right anterior insula, **139**, 324
Nociception
Endocannabinoid and serotonergic systems are needed for acetaminophen-induced analgesia, **139**, 190
Olfaction
Trigeminal activation using chemical, electrical, and mechanical stimuli, **139**, 376
Opioid
The mu opioid receptor A118G gene polymorphism moderates effects of trait anger-out on acute pain sensitivity, **139**, 406
OPRM1
Genetic variability of the μ-opioid receptor influences intrathecal fentanyl analgesia requirements in laboring women, **139**, 5
Osteoarthritis
A prognostic approach to defining chronic pain: Application to knee pain in older adults, **139**, 389
Outcome assessment
The accuracy of pain and fatigue items across different reporting periods, **139**, 146
PAD
Characteristics of chronic ischemic pain in patients with peripheral arterial disease, **139**, 201
Pain
An fMRI study measuring analgesia enhanced by religion as a belief system, **139**, 467

Pain
Bradykinin and kallidin levels in the trapezius muscle in patients with work-related trapezius myalgia, in patients with whiplash associated pain, and in healthy controls – A microdialysis study of women, **139**, 578
Pain
Cholinergic mechanisms involved in the pain relieving effect of spinal cord stimulation in a model of neuropathy, **139**, 136
Pain
Co-morbid pain and psychopathology in males and females admitted to treatment for opioid analgesic abuse, **139**, 127
Pain
Diffuse noxious inhibitory control is delayed in chronic fatigue syndrome: An experimental study, **139**, 439
Pain
Evaluation of analgesic effect of skin-to-skin contact compared to oral glucose in preterm neonates, **139**, 28
Pain
Genetic variability of the μ-opioid receptor influences intrathecal fentanyl analgesia requirements in laboring women, **139**, 5
Pain
NK-1 receptors in the rostral ventromedial medulla contribute to hyperalgesia produced by intraplantar injection of capsaicin, **139**, 34
Pain
Small fibre function in patients with meralgia paresthetica, **139**, 342
Pain
The accuracy of pain and fatigue items across different reporting periods, **139**, 146
Pain
The influence of fear of movement and pain catastrophizing on daily pain and disability in individuals with acute whiplash injury: A daily diary study, **139**, 449
Pain
The mu opioid receptor A118G gene polymorphism moderates effects of trait anger-out on acute pain sensitivity, **139**, 406
Pain
The structure, reliability and validity of pain expression: Evidence from patients with shoulder pain, **139**, 267
Pain
The putative cannabinoid receptor GPR55 plays a role in mechanical hyperalgesia associated with inflammatory and neuropathic pain, **139**, 225
Pain
Trigeminal activation using chemical, electrical, and mechanical stimuli, **139**, 376
Pain
Voltage-gated sodium channel expression in rat and human epidermal keratinocytes: Evidence for a role in pain, **139**, 90
Pain behavior
Contextual determinants of pain judgments, **139**, 562
Pain behavior
Psychological predictors of pain expression and activity intolerance in chronic pain patients, **139**, 47
Pain catastrophizing
Psychological predictors of pain expression and activity intolerance in chronic pain patients, **139**, 47
Pain catastrophizing
The influence of fear of movement and pain catastrophizing on daily pain and disability in individuals with acute whiplash injury: A daily diary study, **139**, 449
Pain expression
The structure, reliability and validity of pain expression: Evidence from patients with shoulder pain, **139**, 267
Pain judgments
Contextual determinants of pain judgments, **139**, 562
Pain memory
The role of heterosynaptic facilitation in long-term potentiation (LTP) of human pain sensation, **139**, 507
Pain relief
Central representation of cold-evoked pain relief in capsaicin induced pain: An event-related fMRI study, **139**, 416
Pain-related fear
Psychological predictors of pain expression and activity intolerance in chronic pain patients, **139**, 47
Pairing stimulation
Long-lasting enhancement in the intrinsic excitability of deep dorsal horn neurons, **139**, 181
Palmitoylethanolamide
The endogenous fatty acid amide, palmitoylethanolamide, has anti-allodynic and anti-hyperalgesic effects in a murine model of neuropathic pain: involvement of CB_1, TRPV1 and PPARγ receptors and neurotrophic factors, **139**, 541
Pathogenesis
Medical history and the onset of complex regional pain syndrome (CRPS), **139**, 458
Perforated patch-clamp
Activation of interleukin-1β receptor suppresses the voltage-gated potassium currents in the small-diameter trigeminal ganglion neurons following peripheral inflammation, **139**, 594
Peripheral arterial disease
A new rat model for thrombus-induced ischemic pain (TIIP); development of bilateral mechanical allodynia, **139**, 520
Peripheral ischemia
A new rat model for thrombus-induced ischemic pain (TIIP); development of bilateral mechanical allodynia, **139**, 520
Peripheral sensitization
Activation of peripheral ephrinBs/EphBs signaling induces hyperalgesia through a MAPKs-mediated mechanism in mice, **139**, 617
Pharmacogenetics
Genetic variability of the μ-opioid receptor influences intrathecal fentanyl analgesia requirements in laboring women, **139**, 5
Physiology
Confidence in beliefs about pain predicts expectancy effects on pain perception and anticipatory processing in right anterior insula, **139**, 324
Physiotherapy
Which subgroups of patients with non-specific neck pain are more likely to benefit from spinal manipulation therapy, physiotherapy, or usual care? **139**, 670
Placebo analgesia
Learning potentiates neurophysiological and behavioral placebo analgesic responses, **139**, 306
Placebo analgesia
The dynamic mechanisms of placebo induced analgesia: Evidence of sustained and transient regional involvement, **139**, 660
Placebo mechanisms
The dynamic mechanisms of placebo induced analgesia: Evidence of sustained and transient regional involvement, **139**, 660
Polymorphism
Genetic variability of the μ-opioid receptor influences intrathecal fentanyl analgesia requirements in laboring women, **139**, 5
Polyneuropathy
Escitalopram in painful polyneuropathy: A randomized, placebo-controlled, cross-over trial, **139**, 275
Population health
Chronic pain and gender in Salvador population, Brazil, **139**, 498
Postoperative acute pain
The sensitization of a broad spectrum of sensory nerve fibers in a rat model of acute postoperative pain and its response to intrathecal pharmacotherapy, **139**, 569

Pre-collision
Post-trauma ratings of pre-collision pain and psychological distress predict poor outcome following acute whiplash trauma: A 12-month follow-up study, **139**, 248
Prediction
Confidence in beliefs about pain predicts expectancy effects on pain perception and anticipatory processing in right anterior insula, **139**, 324
Preemptive analgesia
Ralfinamide administered orally before hindpaw neurectomy or postoperatively provided long-lasting suppression of spontaneous neuropathic pain-related behavior in the rat, **139**, 293
Prefrontal cortex
An fMRI study measuring analgesia enhanced by religion as a belief system, **139**, 467
Pregnancy
Genetic variability of the μ-opioid receptor influences intrathecal fentanyl analgesia requirements in laboring women, **139**, 5
Premature infants
Evaluation of analgesic effect of skin-to-skin contact compared to oral glucose in preterm neonates, **139**, 28
Preterm
Evaluation of analgesic effect of skin-to-skin contact compared to oral glucose in preterm neonates, **139**, 28
Prevalence
Chronic pain and gender in Salvador population, Brazil, **139**, 498
Progesterone
Fast non-genomic effects of progesterone-derived neurosteroids on nociceptive thresholds and pain symptoms, **139**, 603
Prognosis
A prognostic approach to defining chronic pain: Application to knee pain in older adults, **139**, 389
Prospective
Post-trauma ratings of pre-collision pain and psychological distress predict poor outcome following acute whiplash trauma: A 12-month follow-up study, **139**, 248
Prostacyclin
Prostacyclin (epoprostenol) induces headache in healthy subjects, **139**, 106
Prostaglandins
Prostacyclin (epoprostenol) induces headache in healthy subjects, **139**, 106
Prostanoids
Prostacyclin (epoprostenol) induces headache in healthy subjects, **139**, 106
Pruritis
Behavioral differentiation between itch and pain in mouse, **139**, 681
Psychological distress
Post-trauma ratings of pre-collision pain and psychological distress predict poor outcome following acute whiplash trauma: A 12-month follow-up study, **139**, 248
Psychopathology
Co-morbid pain and psychopathology in males and females admitted to treatment for opioid analgesic abuse, **139**, 127
Psychophysic
Effects of morphine on the experimental illusion of pain produced by a thermal grill, **139**, 653
Psychophysical testing
Cutaneous C-fiber pain abnormalities of fibromyalgia patients are specifically related to temporal summation, **139**, 315
Psychophysics
Role of TRPM8 and TRPA1 for cold allodynia in patients with cold injury, **139**, 63
Quality of life
Angina pectoris during daily activities and exercise stress testing: The role of inducible myocardial ischemia and psychological distress, **139**, 551
Quantitative sensory testing
Small fibre function in patients with meralgia paresthetica, **139**, 342
Quantitative sensory testing
The role of heterosynaptic facilitation in long-term potentiation (LTP) of human pain sensation, **139**, 507
Questionnaire
Characteristics of chronic ischemic pain in patients with peripheral arterial disease, **139**, 201
Rat
Cholinergic mechanisms involved in the pain relieving effect of spinal cord stimulation in a model of neuropathy, **139**, 136
Rat
GABAergic modulation is involved in the ventrolateral orbital cortex 5-HT_{1A} receptor activation-induced antinociception in the rat, **139**, 398
Rating bias
Cutaneous C-fiber pain abnormalities of fibromyalgia patients are specifically related to temporal summation, **139**, 315
Recall
The accuracy of pain and fatigue items across different reporting periods, **139**, 146
Religion
An fMRI study measuring analgesia enhanced by religion as a belief system, **139**, 467
Risk factor
Medical history and the onset of complex regional pain syndrome (CRPS), **139**, 458
Risk factor
Post-trauma ratings of pre-collision pain and psychological distress predict poor outcome following acute whiplash trauma: A 12-month follow-up study, **139**, 248
Risk factors
Predictors of low back pain hospitalization – A prospective follow-up of 57,408 adolescents, **139**, 209
Sampling error
Analyzing multiple endpoints in clinical trials of pain treatments: IMMPACT recommendations, **139**, 485
Segmental pain
Stimulation of myofascial trigger points with ultrasound induces segmental antinociceptive effects: A randomized controlled study, **139**, 260
Selective serotonin reuptake inhibitors
Escitalopram in painful polyneuropathy: A randomized, placebo-controlled, cross-over trial, **139**, 275
Sensitization
The sensitization of a broad spectrum of sensory nerve fibers in a rat model of acute postoperative pain and its response to intrathecal pharmacotherapy, **139**, 569
Sensory fibers
The sensitization of a broad spectrum of sensory nerve fibers in a rat model of acute postoperative pain and its response to intrathecal pharmacotherapy, **139**, 569
Serotonin
Endocannabinoid and serotonergic systems are needed for acetaminophen-induced analgesia, **139**, 190
Serotonin
Profound reduction of somatic and visceral pain in mice by intrathecal administration of the anti-migraine drug, sumatriptan, **139**, 533
SF36
The accuracy of pain and fatigue items across different reporting periods, **139**, 146
Shoulder pain
Increased proportion of megafibers in chronically painful muscles, **139**, 588
Shoulder pain
The structure, reliability and validity of pain expression: Evidence from patients with shoulder pain, **139**, 267

Sine-wave electrical stimuli
The sensitization of a broad spectrum of sensory nerve fibers in a rat model of acute postoperative pain and its response to intrathecal pharmacotherapy, **139**, 569
Skin
Cytokine profile in human skin in response to experimental inflammation, noxious stimulation, and administration of a COX-inhibitor: A microdialysis study, **139**, 15
Skin
Voltage-gated sodium channel expression in rat and human epidermal keratinocytes: Evidence for a role in pain, **139**, 90
Skin-to-skin contact
Evaluation of analgesic effect of skin-to-skin contact compared to oral glucose in preterm neonates, **139**, 28
Slow twitch
Increased proportion of megafibers in chronically painful muscles, **139**, 588
Small fibres
Small fibre function in patients with meralgia paresthetica, **139**, 342
Socio demographic
Post-trauma ratings of pre-collision pain and psychological distress predict poor outcome following acute whiplash trauma: A 12-month follow-up study, **139**, 248
Somatization
Angina pectoris during daily activities and exercise stress testing: The role of inducible myocardial ischemia and psychological distress, **139**, 551
Somatosensory testing
Somatosensory abnormalities in atypical odontalgia: A case-control study, **139**, 333
Spatial summation
Diffuse noxious inhibitory control is delayed in chronic fatigue syndrome: An experimental study, **139**, 439
Spinal cord
EphrinB-EphB receptor signaling contributes to neuropathic pain by regulating neural excitability and spinal synaptic plasticity in rats, **139**, 168
Spinal cord
Fast non-genomic effects of progesterone-derived neurosteroids on nociceptive thresholds and pain symptoms, **139**, 603
Spinal cord
Genetic deletion of synapsin II reduces neuropathic pain due to reduced glutamate but increased GABA in the spinal cord dorsal horn, **139**, 632
Spinal cord stimulation
Cholinergic mechanisms involved in the pain relieving effect of spinal cord stimulation in a model of neuropathy, **139**, 136
Spinal cord stimulation
Spinal cord stimulation normalizes abnormal cortical pain processing in patients with cardiac syndrome X, **139**, 82
Spinal inhibition
Fast non-genomic effects of progesterone-derived neurosteroids on nociceptive thresholds and pain symptoms, **139**, 603
Spinal manipulation therapy
Which subgroups of patients with non-specific neck pain are more likely to benefit from spinal manipulation therapy, physiotherapy, or usual care?, **139**, 670
Spinal neuroplasticity
Injury discharges regulate calcium channel alpha-2-delta-1 subunit upregulation in the dorsal horn that contributes to initiation of neuropathic pain, **139**, 358
Spontaneous pain behavior
Ralfinamide administered orally before hindpaw neurectomy or postoperatively provided long-lasting suppression of spontaneous neuropathic pain-related behavior in the rat, **139**, 293
Stress-induced analgesia
Stress-evoked opioid release inhibits pain in major depressive disorder, **139**, 284
Substance P
NK-1 receptors in the rostral ventromedial medulla contribute to hyperalgesia produced by intraplantar injection of capsaicin, **139**, 34
Substance use
Co-morbid pain and psychopathology in males and females admitted to treatment for opioid analgesic abuse, **139**, 127
Sumatriptan
Profound reduction of somatic and visceral pain in mice by intrathecal administration of the anti-migraine drug, sumatriptan, **139**, 533
Sunburn
Cytokine profile in human skin in response to experimental inflammation, noxious stimulation, and administration of a COX-inhibitor: A microdialysis study, **139**, 15
Symptoms
Angina pectoris during daily activities and exercise stress testing: The role of inducible myocardial ischemia and psychological distress, **139**, 551
Synaptic vesicle protein
Genetic deletion of synapsin II reduces neuropathic pain due to reduced glutamate but increased GABA in the spinal cord dorsal horn, **139**, 632
Tactile hypaesthesia
Numbness in clinical and experimental pain – A cross-sectional study exploring the mechanisms of reduced tactile function, **139**, 73
TEDS
Co-morbid pain and psychopathology in males and females admitted to treatment for opioid analgesic abuse, **139**, 127
Temperature threshold
Role of TRPM8 and TRPA1 for cold allodynia in patients with cold injury, **139**, 63
Temporal summation
Cutaneous C-fiber pain abnormalities of fibromyalgia patients are specifically related to temporal summation, **139**, 315
Thermal heat hyperalgesia
Fast non-genomic effects of progesterone-derived neurosteroids on nociceptive thresholds and pain symptoms, **139**, 603
Thermal sensory system
Effects of morphine on the experimental illusion of pain produced by a thermal grill, **139**, 653
TMJ
Low doses of cannabinoids enhance the antinociceptive effects of intracisternally administered mGluRs groups II and III agonists in formalin-induced TMJ nociception in rats, **139**, 367
TNBS colitis
Reversal of visceral and somatic hypersensitivity in a subset of hypersensitive rats by intracolonic lidocaine, **139**, 218
Trapezius
Increased proportion of megafibers in chronically painful muscles, **139**, 588
Treatment
Which subgroups of patients with non-specific neck pain are more likely to benefit from spinal manipulation therapy, physiotherapy, or usual care? **139**, 670
Treatment outcomes
Analyzing multiple endpoints in clinical trials of pain treatments: IMMPACT recommendations, **139**, 485
Trigeminal
Trigeminal activation using chemical, electrical, and mechanical stimuli, **139**, 376Trigeminal ganglion
Activation of interleukin-1β receptor suppresses the voltage-gated potassium currents in the small-diameter trigeminal ganglion neurons following peripheral inflammation, **139**, 594

Trigeminal pain mechanisms
Somatosensory abnormalities in atypical odontalgia: A case-control study, **139**, 333
Trigger point
Stimulation of myofascial trigger points with ultrasound induces segmental antinociceptive effects: A randomized controlled study, **139**, 260
TRPA1
Role of TRPM8 and TRPA1 for cold allodynia in patients with cold injury, **139**, 63
TRPM8
Role of TRPM8 and TRPA1 for cold allodynia in patients with cold injury, **139**, 63
TRPV1
Lack of TRPV1 inhibits cystitis-induced increased mechanical sensitivity in mice, **139**, 158
Type I error
Analyzing multiple endpoints in clinical trials of pain treatments: IMMPACT recommendations, **139**, 485
Ultrasound
Stimulation of myofascial trigger points with ultrasound induces segmental antinociceptive effects: A randomized controlled study, **139**, 260
Ultraviolet B
Cytokine profile in human skin in response to experimental inflammation, noxious stimulation, and administration of a COX-inhibitor: A microdialysis study, **139**, 15
Unspecified pain
Post-trauma ratings of pre-collision pain and psychological distress predict poor outcome following acute whiplash trauma: A 12-month follow-up study, **139**, 248
Up-down sequential allocation
Genetic variability of the μ-opioid receptor influences intrathecal fentanyl analgesia requirements in laboring women, **139**, 5
Vanilloid
The endogenous fatty acid amide, palmitoylethanolamide, has anti-allodynic and anti-hyperalgesic effects in a murine model of neuropathic pain: involvement of CB_1, TRPV1 and PPARγ receptors and neurotrophic factors, **139**, 541
Ventrolateral orbital cortex
GABAergic modulation is involved in the ventrolateral orbital cortex 5-HT_{1A} receptor activation-induced antinociception in the rat, **139**, 398
Vesicular glutamate transporter
Genetic deletion of synapsin II reduces neuropathic pain due to reduced glutamate but increased GABA in the spinal cord dorsal horn, **139**, 632
Visceral and somatic hypersensitivity
Reversal of visceral and somatic hypersensitivity in a subset of hypersensitive rats by intracolonic lidocaine, **139**, 218
Visceral pain
Lack of TRPV1 inhibits cystitis-induced increased mechanical sensitivity in mice, **139**, 158
Visceral pain
Reversal of visceral and somatic hypersensitivity in a subset of hypersensitive rats by intracolonic lidocaine, **139**, 218
Visceral pain
Angina pectoris during daily activities and exercise stress testing: The role of inducible myocardial ischemia and psychological distress, **139**, 551
Voltage-gated K^+currents
Activation of interleukin-1β receptor suppresses the voltage-gated potassium currents in the small-diameter trigeminal ganglion neurons following peripheral inflammation, **139**, 594
Voltage-gated sodium channels
Voltage-gated sodium channel expression in rat and human epidermal keratinocytes: Evidence for a role in pain, **139**, 90
Whiplash
Post-trauma ratings of pre-collision pain and psychological distress predict poor outcome following acute whiplash trauma: A 12-month follow-up study, **139**, 248
Whiplash
The influence of fear of movement and pain catastrophizing on daily pain and disability in individuals with acute whiplash injury: A daily diary study, **139**, 449
Whole-cell patch-clamp
Long-lasting enhancement in the intrinsic excitability of deep dorsal horn neurons, **139**, 181
Woman
Bradykinin and kallidin levels in the trapezius muscle in patients with work-related trapezius myalgia, in patients with whiplash associated pain, and in healthy controls – A microdialysis study of women, **139**, 578
Working memory
Disruption of cognitive function in Fibromyalgia Syndrome, **139**, 610

Pain 139 (2008) 704–707

PAIN

www.elsevier.com/locate/pain

Contents to Volume 139 (2008)

Number 1 – 30 September 2008

TOPICAL REVIEW

Coping with pain: A motivational perspective
S. Van Damme, G. Crombez, C. Eccleston (Belgium, UK) 1

RESEARCH PAPERS

Genetic variability of the μ-opioid receptor influences intrathecal fentanyl analgesia requirements in laboring women
R. Landau, C. Kern, M.O. Columb, R.M. Smiley, J.-L. Blouin (Switzerland, UK, USA) 5
Cytokine profile in human skin in response to experimental inflammation, noxious stimulation, and administration of a COX-inhibitor: A microdialysis study
M.S. Angst, J.D. Clark, B. Carvalho, M. Tingle, M. Schmelz, D.C. Yeomans (USA, Germany) 15
Evaluation of analgesic effect of skin-to-skin contact compared to oral glucose in preterm neonates
N.B. de Sousa Freire, J.B. Santos Garcia, Z. Carvalho Lamy (Brazil) 28
NK-1 receptors in the rostral ventromedial medulla contribute to hyperalgesia produced by intraplantar injection of capsaicin
C. Pacharinsak, S.G. Khasabov, A.J. Beitz, D.A. Simone (USA) 34
Psychological predictors of pain expression and activity intolerance in chronic pain patients
P. Thibault, P. Loisel, M.-J. Durand, R. Catchlove, M.J.L. Sullivan (Canada) 47
Assessing fear in patients with cervical pain: Development and validation of the Pictorial Fear of Activity Scale-Cervical (PFActS-C)
D.C. Turk, J.P. Robinson, J.J. Sherman, T. Burwinkle, K. Swanson (USA) 55
Role of TRPM8 and TRPA1 for cold allodynia in patients with cold injury
B. Namer, I.P. Kleggetveit, H. Handwerker, M. Schmelz, E. Jorum (Germany, Norway) 63
Numbness in clinical and experimental pain – A cross-sectional study exploring the mechanisms of reduced tactile function
C. Geber, W. Magerl, R. Fondel, M. Fechir, R. Rolke, T. Vogt, R.-D. Treede, F. Birklein (Germany) 73
Spinal cord stimulation normalizes abnormal cortical pain processing in patients with cardiac syndrome X
A. Sestito, G.A. Lanza, D. Le Pera, L. De Armas, G.A. Sgueglia, F. Infusino, R. Miliucci, P.A. Tonali, F. Crea, M. Valeriani (Italy) 82
Voltage-gated sodium channel expression in rat and human epidermal keratinocytes: Evidence for a role in pain
P. Zhao, T.P. Barr, Q. Hou, S.D. Dib-Hajj, J.A. Black, P.J. Albrecht, K. Petersen, E. Eisenberg, J.P. Wymer, F.L. Rice, S.G. Waxman (USA, Israel) 90
Prostacyclin (epoprostenol) induces headache in healthy subjects
T. Wienecke, J. Olesen, P.S. Oturai, M. Ashina (Denmark) 106
Glutamate receptor ligands attenuate allodynia and hyperalgesia and potentiate morphine effects in a mouse model of neuropathic pain
M. Osikowicz, J. Mika, W. Makuch, B. Przewlocka (Poland) 117
Co-morbid pain and psychopathology in males and females admitted to treatment for opioid analgesic abuse
T.J. Cicero, M. Lynskey, A. Todorov, J.A. Inciardi, H.L. Surratt (USA) 127
Cholinergic mechanisms involved in the pain relieving effect of spinal cord stimulation in a model of neuropathy
G. Schechtmann, Z. Song, C. Ultenius, B.A. Meyerson, B. Linderoth (Sweden) 136
The accuracy of pain and fatigue items across different reporting periods
J.E. Broderick, J.E. Schwartz, G. Vikingstad, M. Pribbernow, S. Grossman, A.A. Stone (USA) 146
Lack of TRPV1 inhibits cystitis-induced increased mechanical sensitivity in mice
Z.-Y. Wang, P. Wang, F.V. Merriam, D.E. Bjorling (USA) 158
EphrinB-EphB receptor signaling contributes to neuropathic pain by regulating neural excitability and spinal synaptic plasticity in rats
X.-J. Song, J.-H. Zheng, J.-L. Cao, W.-T. Liu, X.-S. Song, Z.-J. Huang (USA, China) 168
Long-lasting enhancement in the intrinsic excitability of deep dorsal horn neurons
D.K. Kim, J. Kwak, S.J. Kim, J. Kim (Republic of Korea) 181
Endocannabinoid and serotonergic systems are needed for acetaminophen-induced analgesia
C. Mallet, L. Daulhac, J. Bonnefont, C. Ledent, M. Etienne, E. Chapuy, F. Libert, A. Eschalier (France, Belgium) 190
Characteristics of chronic ischemic pain in patients with peripheral arterial disease
L.J. Rüger, D. Irnich, T.N. Abahji, A. Crispin, U. Hoffmann, P.M. Lang (Germany) 201

doi:10.1016/S0304-3959(08)00580-0

Predictors of low back pain hospitalization – A prospective follow-up of 57,408 adolescents
V.M. Mattila, L. Saarni, J. Parkkari, L. Koivusilta, A. Rimpelä (Finland) 209
Reversal of visceral and somatic hypersensitivity in a subset of hypersensitive rats by intracolonic lidocaine
Q. Zhou, D.D. Price, G.N. Verne (USA) 218
The putative cannabinoid receptor GPR55 plays a role in mechanical hyperalgesia associated with inflammatory and neuropathic pain
P.C. Staton, J.P. Hatcher, D.J. Walker, A.D. Morrison, E.M. Shapland, J.P. Hughes, E. Chong, P.K. Mander, P.J. Green, A. Billinton, M. Fulleylove, H.C. Lancaster, J.C. Smith, L.T. Bailey, A. Wise, A.J. Brown, J.C. Richardson, I.P. Chessell (UK) 225

LETTER TO THE EDITOR

All topical NSAIDs not created equal – Understanding topical analgesic drug formulations
B.S. Galer (Canada) 237

Number 2 – 15 October 2008

EDITORIALS

RSD/CRPS: The end of the beginning
A.L. Oaklander (USA) 239
Something about Mary
Jeanne D. Talbot (Canada) 241

TOPICAL REVIEW

Animal models and the prediction of efficacy in clinical trials of analgesic drugs: A critical appraisal and call for uniform reporting standards
A.S.C. Rice, D. Cimino-Brown, J.C. Eisenach, V.K. Kontinen, M.L. Lacroix-Fralish, I. Machin, (on behalf of the Preclinical Pain Consortium) J.S. Mogil, T. Stöhr (UK, USA, Finland, Canada, Germany) 243

RESEARCH PAPERS

Post-trauma ratings of pre-collision pain and psychological distress predict poor outcome following acute whiplash trauma: A 12-month follow-up study
T.B.W. Carstensen, L. Frostholm, E. Oernboel, A. Kongsted, H. Kasch, T.S. Jensen, P. Fink (Denmark) 248
Stimulation of myofascial trigger points with ultrasound induces segmental antinociceptive effects: A randomized controlled study
J.Z. Srbely, J.P. Dickey, M. Lowerison, A.M. Edwards, P.S. Nolet, L.L. Wong (Canada) 260
The structure, reliability and validity of pain expression: Evidence from patients with shoulder pain
K.M. Prkachin, P.E. Solomon (Canada) 267
Escitalopram in painful polyneuropathy: A randomized, placebo-controlled, cross-over trial
M. Otto, F.W. Bach, T.S. Jensen, K. Brøsen, S.H. Sindrup (Denmark) 275
Stress-evoked opioid release inhibits pain in major depressive disorder
A.K. Frew, P.D. Drummond (Australia) 284
Ralfinamide administered orally before hindpaw neurectomy or postoperatively provided long-lasting suppression of spontaneous neuropathic pain-related behavior in the rat
S.-H. Zhang, Y. Blech-Hermoni, L. Faravelli, Z. Seltzer (PR China, Canada, USA, Italy) 293
Learning potentiates neurophysiological and behavioral placebo analgesic responses
L. Colloca, M. Tinazzi, S. Recchia, D. Le Pera, A. Fiaschi, F. Benedetti, M. Valeriani (Italy) 306
Cutaneous C-fiber pain abnormalities of fibromyalgia patients are specifically related to temporal summation
R. Staud, C.E. Bovee, M.E. Robinson, D.D. Price (USA) 315
Confidence in beliefs about pain predicts expectancy effects on pain perception and anticipatory processing in right anterior insula
C.A. Brown, B. Seymour, W. El-Deredy, A.K.P. Jones (UK) 324
Somatosensory abnormalities in atypical odontalgia: A case-control study
T. List, G. Leijon, P. Svensson (Sweden, Denmark) 333
Small fibre function in patients with meralgia paresthetica
P. Schestatsky, E. Lladó-Carbó, J. Casanova-Molla, S. Álvarez-Blanco, J. Valls-Solé (Brazil, Spain) 342
Anxiety-like behaviour in rats with mononeuropathy is reduced by the analgesic drugs morphine and gabapentin
K. Roeska, H. Doods, K. Arndt, R.-D. Treede, A. Ceci (Germany) 349
Injury discharges regulate calcium channel alpha-2-delta-1 subunit upregulation in the dorsal horn that contributes to initiation of neuropathic pain
A. Boroujerdi, H.K. Kim, Y.S. Lyu, D.-S. Kim, K.W. Figueroa, J.M. Chung, Z.D. Luo (USA) 358
Low doses of cannabinoids enhance the antinociceptive effects of intracisternally administered mGluRs groups II and III agonists in formalin-induced TMJ nociception in rats
M.K. Lee, B.Y. Choi, G.Y. Yang, H.J. Jeon, H.M. Kyung, O.W. Kwon, H.S. Park, Y.C. Bae, S.S. Mokha, D.K. Ahn (Republic of Korea, USA) 367
Trigeminal activation using chemical, electrical, and mechanical stimuli
E. Iannilli, C. Del Gratta, J.C. Gerber, G.L. Romani, T. Hummel (Germany, Italy) 376
A prognostic approach to defining chronic pain: Application to knee pain in older adults
E. Thomas, K.M. Dunn, C. Mallen, G. Peat (UK) 389

GABAergic modulation is involved in the ventrolateral orbital cortex 5-HT_{1A} receptor activation-induced antinociception in the rat
F.-Q. Huo, C.-L. Qu, Y.-Q. Li, J.-S. Tang, H. Jia (China) 398
The mu opioid receptor A118G gene polymorphism moderates effects of trait anger-out on acute pain sensitivity
S. Bruehl, O.Y. Chung, J.W. Burns (USA) 406
Central representation of cold-evoked pain relief in capsaicin induced pain: An event-related fMRI study
C. Mohr, S. Leyendecker, I. Mangels, B. Machner, T. Sander, C. Helmchen (Germany) 416
Oral opioid use alters DNIC but not cold pain perception in patients with chronic pain – New perspective of opioid-induced hyperalgesia
K.C. Ram, E. Eisenberg, M. Haddad, D. Pud (Israel) 431
Diffuse noxious inhibitory control is delayed in chronic fatigue syndrome: An experimental study
M. Meeus, J. Nijs, N. Van de Wauwer, L. Toeback, S. Truijen (Belgium) 439
The influence of fear of movement and pain catastrophizing on daily pain and disability in individuals with acute whiplash injury: A daily diary study
K.L.H. Vangronsveld, M. Peters, M. Goossens, J. Vlaeyen (The Netherlands, Belgium) 449
Medical history and the onset of complex regional pain syndrome (CRPS)*
M. de Mos, F.J.P.M. Huygen, J.P. Dieleman, J.S.H.A. Koopman, B.H.Ch. Stricker, M.C.J.M. Sturkenboom (The Netherlands) 458
An fMRI study measuring analgesia enhanced by religion as a belief system*
K. Wiech, M. Farias, G. Kahane, N. Shackel, W. Tiede, I. Tracey (UK) 467

LETTERS TO THE EDITOR

Response to: Long-term trials of pregabalin and duloxetine for fibromyalgia symptoms: How study designs can affect placebo factors
R.A. Moore, S. Derry, H.J. McQuay (UK) 477
Role of placebo factors in clinical trials with special focus on enrichment designs
R. Staud, D.D. Price (USA) 479

*An Editorial regarding this article can be found in this issue of *PAIN*

Number 3 – 31 October 2008

EDITORIALS

So, why *do* I have to correct for multiple comparisons? Concepts and commentary on Turk et al.
E. Gracely (USA) 481
Targeting treatment for non-specific musculoskeletal pain
G. Peat (UK) 483

REVIEW AND RECOMMENDATIONS

Analyzing multiple endpoints in clinical trials of pain treatments:IMMPACT recommendations*
D.C. Turk, R.H. Dworkin, M.P. McDermott, N. Bellamy, L.B. Burke, J.M. Chandler, C.S. Cleeland, P. Cowan, R. Dimitrova, J.T. Farrar, S. Hertz, J.F. Heyse, S. Iyengar, A.R. Jadad, G.W. Jay, J.A. Jermano, N.P. Katz, D.C. Manning, S. Martin, M.B. Max, P. McGrath, H.J. McQuay, S. Quessy, B.A. Rappaport, D.A. Revicki, M. Rothman, J.W. Stauffer, O. Svensson, R.E. White, J. Witter (USA, Australia, Canada, UK, Sweden) 485

TOPICAL REVIEW

Conflicts of interest in pain medicine: Practice patterns and relationships with industry
J. Schofferman, J. Banja (USA, Japan) 494

RESEARCH PAPERS

Chronic pain and gender in Salvador population, Brazil
K.N. Sá, A.F. Baptista, M.A. Matos, Í. Lessa (Brazil) 498
The role of heterosynaptic facilitation in long-term potentiation (LTP) of human pain sensation
T. Klein, S. Stahn, W. Magerl, R.-D. Treede (Germany) 507
A new rat model for thrombus-induced ischemic pain (TIIP); development of bilateral mechanical allodynia
H.-S. Seo, H.-W. Kim, D.-H. Roh, S.-Y. Yoon, Y.-B. Kwon, H.-J. Han, J.M. Chung, A.J. Beitz, J.-H. Lee (South Korea, USA) 520
Profound reduction of somatic and visceral pain in mice by intrathecal administration of the anti-migraine drug, sumatriptan
T. Nikai, A.I. Basbaum, A.H. Ahn (USA, Japan) 533
The endogenous fatty acid amide, palmitoylethanolamide, has anti-allodynic and anti-hyperalgesic effects in a murine model of neuropathic pain: involvement of CB_1, TRPV1 and PPARγ receptors and neurotrophic factors
B. Costa, F. Comelli, I. Bettoni, M. Colleoni, G. Giagnoni (Italy) 541
Angina pectoris during daily activities and exercise stress testing: The role of inducible myocardial ischemia and psychological distress
M.D. Sullivan, P.S. Ciechanowski, J.E. Russo, J.A. Spertus, L.A. Soine, K. Jordan-Keith, J.H. Caldwell (USA) 551
Contextual determinants of pain judgments
M.O. Martel, P. Thibault, C. Roy, R. Catchlove, M.J.L. Sullivan (Canada) 562

The sensitization of a broad spectrum of sensory nerve fibers in a rat model of acute postoperative pain and its response to intrathecal pharmacotherapy
Y. Nagakura, T.L. Jones, S.A. Malkmus, L. Sorkin, T.L. Yaksh (USA) 569
Bradykinin and kallidin levels in the trapezius muscle in patients with work-related trapezius myalgia, in patients with whiplash associated pain, and in healthy controls – A microdialysis study of women
B. Gerdle, U. Hilgenfeldt, B. Larsson, J. Kristiansen, K. Søgaard, L. Rosendal (Sweden, Germany, Denmark) 578
Increased proportion of megafibers in chronically painful muscles
L.L. Andersen, C. Suetta, J.L. Andersen, M. Kjær, G. Sjøgaard (Denmark) 588
Activation of interleukin-1β receptor suppresses the voltage-gated potassium currents in the small-diameter trigeminal ganglion neurons following peripheral inflammation
M. Takeda, J. Kitagawa, M. Takahashi, S. Matsumoto (Japan) 594
Fast non-genomic effects of progesterone-derived neurosteroids on nociceptive thresholds and pain symptoms
A. Charlet, F. Lasbennes, P. Darbon, P. Poisbeau (France) 603
Disruption of cognitive function in Fibromyalgia Syndrome
B.D. Dick, M.J. Verrier, K.T. Harker, S. Rashiq (Canada) 610
Activation of peripheral ephrinBs/EphBs signaling induces hyperalgesia through a MAPKs-mediated mechanism in mice
J.-L. Cao, J.-P. Ruan, D.-Y. Ling, X.-H. Guan, Q. Bao, Y. Yuan, L.-C. Zhang, X.-J. Song, Y.-M. Zeng (PR China) 617
Genetic deletion of synapsin II reduces neuropathic pain due to reduced glutamate but increased GABA in the spinal cord dorsal horn
A. Schmidtko, C. Luo, W. Gao, G. Geisslinger, R. Kuner, I. Tegeder (Germany) 632
Validation of a self-report questionnaire version of the Child Activity Limitations Interview (CALI): The CALI-21
T.M. Palermo, A.S. Lewandowski, A.C. Long, C.J. Burant (USA) 644
Effects of morphine on the experimental illusion of pain produced by a thermal grill
D. Kern, F. Plantevin, D. Bouhassira (France) 653
The dynamic mechanisms of placebo induced analgesia: Evidence of sustained and transient regional involvement
J.G. Craggs, D.D. Price, W.M. Perlstein, G.N. Verne, M.E. Robinson (USA) 660
Which subgroups of patients with non-specific neck pain are more likely to benefit from spinal manipulation therapy, physiotherapy, or usual care?*
J.M. Schellingerhout, A.P. Verhagen, M.W. Heymans, J.J.M. Pool, F. Vonk, B.W. Koes, H.C.W. de Vet (The Netherlands) 670
Behavioral differentiation between itch and pain in mouse
S.G. Shimada, R.H. LaMotte (USA) 681

Author Index to Volume 139 688

Subject Index to Volume 139 693

Contents to Volume 139 704

*An Editorial regarding this article can be found in this issue of *PAIN*